

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 22, 2004, 16:53:12 ; Search time 132 Seconds

(without alignments)
7179.164 Million cell updates/sec

Title: US-09-981-353-104

Perfect score: 2147

Sequence: 1 gtgtttaggaagaagtagg.....gtctatatctgttggaag 2147

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_NA.*

1: /cgn2_6/ptodata/1/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PTCUS.COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	350.2	16.3	467	US-09-440-315A-11	Sequence 11, Appl
2	324.2	15.1	634	US-09-385-982-511	Sequence 511, App
3	70.2	3.3	3640	US-08-627-873-6	Sequence 6, Appl
4	57	2.7	7218	US-08-233-463-14	Sequence 14, Appl
5	43.2	2.0	304	US-08-627-873-4	Sequence 4, Appl
6	39.8	1.9	6265	US-09-129-112-3	Sequence 3, Appl
7	39.2	1.8	580073	US-08-545-528D-1	Sequence 2, Appl
8	38.4	1.8	2205	US-08-840-767-53	Sequence 53, Appl
9	38.4	1.8	2449	US-08-840-767-7	Sequence 7, Appl
10	37.6	1.8	843	US-09-118-408-23	Sequence 23, Appl
11	37.6	1.8	843	US-09-506-855-23	Sequence 23, Appl
12	37.6	1.8	843	US-09-911-176B-23	Sequence 23, Appl
13	37.6	1.8	843	US-09-619-740-23	Sequence 23, Appl
14	37.6	1.8	843	US-09-506-852-23	Sequence 23, Appl
15	37.4	1.7	648	US-08-943-731-126	Sequence 126, App
16	37.4	1.7	24183	US-08-943-731-3	Sequence 3, Appl
17	37.2	1.7	12666	US-08-961-537-137	Sequence 137, App
18	37.2	1.7	53526	US-08-658-136-2	Sequence 2, Appl
19	37.2	1.7	53577	US-08-658-136-1	Sequence 1, Appl
20	37	1.7	1830121	US-09-557-884-1	Sequence 1, Appl
21	37	1.7	1830121	US-09-643-990A-1	Sequence 1, Appl
22	36.8	1.7	2745	US-09-976-239-3	Sequence 3, Appl
23	36.4	1.7	1114	US-09-378-088A-109	Sequence 109, App
24	36.4	1.7	1152	US-08-844-188-37	Sequence 37, Appl
25	36.4	1.7	1152	US-09-378-088A-37	Sequence 37, Appl
26	36.4	1.7	1152	US-09-548-334A-37	Sequence 37, Appl
27	36.4	1.7	1498	US-07-965-668A-1	Sequence 1, Appl

C 28	36.4	1.7	1498	2	US-08-950-433-1	Sequence 1, Appl
C 29	36.4	1.7	1498	3	US-09-186-287-1	Sequence 1, Appl
C 30	36.4	1.7	2230	3	US-08-844-188-34	Sequence 34, Appl
C 31	36.4	1.7	2230	4	US-09-378-088A-34	Sequence 34, Appl
C 32	36.4	1.7	2230	4	US-09-548-334A-34	Sequence 34, Appl
C 33	35.8	1.7	2700	1	US-08-484-105-5	Sequence 5, Appl
C 34	35.8	1.7	2700	1	US-08-484-106-5	Sequence 5, Appl
C 35	35.8	1.7	4327	4	US-08-961-527-117	Sequence 117, App
C 36	35.8	1.7	4500	2	US-08-743-637B-35	Sequence 35, Appl
C 37	35.8	1.7	4500	3	US-08-526-840B-35	Sequence 35, Appl
C 38	35.8	1.7	43675	3	US-09-356-952-122	Sequence 12, Appl
C 39	35.6	1.7	2356	1	US-08-105-483-222	Sequence 22, App
C 40	35.6	1.7	2356	1	US-08-220-151-75	Sequence 75, Appl
C 41	35.6	1.7	2356	1	US-08-413-118-75	Sequence 51, Appl
C 42	35.6	1.7	2356	1	US-08-224-657-51	Sequence 22, App
C 43	35.6	1.7	2356	1	US-08-709-209-222	Sequence 22, App
C 44	35.6	1.7	2356	1	US-08-458-101-222	Sequence 78, Appl
C 45	35.6	1.7	2356	2	US-08-184-009-78	

ALIGNMENTS

```
RESULT 1
US-09-440-315A-11
; Sequence 11, Application US/09440315A
; Patent No. 6551812
; GENERAL INFORMATION:
; APPLICANT: Gould-Rothberg, Bonnie
; TITLE OF INVENTION: Compositions and Methods Relating to the
; TITLE OF INVENTION: Peroxisomal Proliferator Activated Receptor-Alpha
; FILE REFERENCE: 15966-533
; CURRENT APPLICATION NUMBER: US/09/440,315A
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/108,293
; PRIOR FILING DATE: 1998-11-13
; PRIOR APPLICATION NUMBER: 60/126,465
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 467
; TYPE: DNA
; ORGANISM: Rattus sp.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: 10n0.235.7 (homolog to human uridine
; OTHER INFORMATION: dihydrophosphoglucose pyrophosphorylase mRNA)
; NAME/KEY: misc_feature
; LOCATION: (10)...(149)
; OTHER INFORMATION: wherein n may be a or t or g or c
US-09-440-315A-11
```

Query Match 16.3%; Score 350.2; DB 4; Length 467;
Best Local Similarity 90.6%; Pred. No. 8e-89; Indels 3; Gaps 3;
Matches 406; Conservative 0; Mismatches 39;

```
QY 253 GGTGCTTCAGTTCAGCAAGA-AGTCATTCGCAAGAGCTAGAAATATCTGGAAGA 311
|||
DB 21 GGGGCTTCAGTTCAGCAAGAGGTCATTCGCAAGAGCTAGAAATATCTGGAAGA 80
|||
QY 312 ACTGAAAAAAATCTACACACAGCATATCATGAAATTTGAGCACCAAAAAAGA-CC 370
|||
DB 81 ATTGAAAAAAATCTTACACACAGCAAGCAAGCTTGAAGTGGAGCACCAAAAAAGATCT 140
|||
QY 371 TGAATGATTTGGAAGCTATTTTCATGATTTTGGCAAGAAAGGGGCTTCTGTGAT 430
|||
DB 141 TGAATGATTTGGAAGCTATTTTCATGATTTTGGCAAGAAAGGGGCTTCTGTGAT 200
|||
QY 431 GGGGAAAAATTCAGAGAGACCCCTGAGATTCGATTCACACCTATGAAAGTAAGGCCA 490
|||
```


Best Local Similarity 54.4%; Pred. No. 1.2e-09;
Matches 141; Conservative 0; Mismatches 118; Indels 0; Gaps 0;

Oy 498 GCGTATATATATTTCCGCTTTGAACAACATCTGCTGGAACATCTGCTTT 557
Db 461 GCGTATATATATTTCCGCTTTGAACAACATCTGCTGGAACATCTGCTTT 520
Oy 558 GGAACACGACATGGGCTGCAAGGCTTAAAGTCTGATGGAGAAATGAGATAC 617
Db 521 GGGTACGGGACGAGGCTGGAATAGGCTTAAAGTCTTGGAGGAGGAAATGAGATAC 580
Oy 618 CTTTCTGATCTGACTGTTCAAGCAATTTGAATTAACCTTACATACAGATGT 677
Db 581 CTTTCTGATTTGACGCTTAAAGCAATGATGATGAGGAGGAGGATTTGACAGAGGT 640
Oy 678 TCCTTCTGTTTAAATGAACCTTTTAAACGAGATGAATACCAAAAAATCTACAGAA 737
Db 641 CAACTTATATGTTGAACAACTTTTTCGACCTGATGATATCTTAAAGTTTAAAGAC 700
Oy 738 GTACATCATTTGCTGCTG 756
Db 701 CAACTATCTACTCTTGGC 719

RESULT 4

US-08-232-463-14/c
Sequence 14, Application US/08232463

Patent No. 5670367

GENERAL INFORMATION:

APPLICANT: DORNER, F.

APPLICANT: SCHEIFLINGER, F.

APPLICANT: FALKNER, F. G.

TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS

NUMBER OF SEQUENCES: 52

CORRESPONDENCE ADDRESS:

ADDRESSEE: Foley & Lardner

STREET: 1800 Diagonal Road, Suite 500

CITY: Alexandria

STATE: VA

COUNTRY: USA

ZIP: 22313-0299

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/232,463

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/935,313

FILING DATE:

APPLICATION NUMBER: EP 91 114 300.6

FILING DATE: 26-AUG-1991

ATTORNEY/AGENT INFORMATION:

NAME: BENT, Stephen A.

REGISTRATION NUMBER: 29,768

REFERENCE/DOCKET NUMBER: 30472/114 IMMU

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 836-9300

TELEFAX: (703) 683-4109

TELEX: 899149

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 7218 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

CLONE: pTZpT-F18

US-08-232-463-14

Query Match 2.7%; Score 57; DB 1; Length 7218;
Best Local Similarity 3.8%; Pred. No. 8.8e-06;
Matches 15; Conservative 223; Mismatches 153; Indels 0; Gaps 0;

Oy 4 TTTAGAGAAAGTGGGCTGTGGTGTGGGACCGGCTGACGGTGAACAAGGGGG 63
Db 1442 TTTGTACRR 1383
Oy 64 TTACAGCTGGGCGCCGCTTGGGAGGGGCTCAAGGTGATGATGAGGAGAAAG 123
Db 1382 RRR 1323
Oy 124 AGAGAGAGAGAGAGGCGCTTCAAGTCACTTCAAGCTGAGCCTTCCGGGCG 183
Db 1222 RRR 1263
Oy 184 CCATTAAGCCCCCAATTTCCAGCTGTAAGAGAGAGAGATCTTAGCAAAAGCATG 243
Db 1262 RRR 1203
Oy 244 TCTCAAGATGCTGCTTCAAGTCCAGTTCAGGCAAGCTAGATTAATCTGTG 303
Db 1202 RRR 1143
Oy 304 AAGAAGAACTAGAAAAAATCTCACCACACATCATCATGAAATTTGACACACAA 363
Db 1142 RRR 1083
Oy 364 AAGACCTGATGATTTGGAGACTTATTC 394
Db 1082 RRR 1052

RESULT 5

US-08-627-873-4

Sequence 4, Application US/08627873

Patent No. 5928932

GENERAL INFORMATION:

APPLICANT: Jarvis, Eric E.

APPLICANT: Roesler, Paul G.

TITLE OF INVENTION: ISOLATED GENE ENCODING AN ENZYME WITH

TITLE OF INVENTION: UDP-GLUCOSE PYROPHOSPHORYLASE AND

TITLE OF INVENTION: PHOSPHOGLUCOMUTASE ACTIVITIES FROM

TITLE OF INVENTION: CYCLOTELLA CRYPTICA

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: National Renewable Energy Laboratory

STREET: 1617 Cole Boulevard

CITY: Golden

STATE: CO

COUNTRY: U.S.A.

ZIP: 80401-3393

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: ASCII(DOS)text (*.*)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/627,873

FILING DATE: April 3, 1996

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Edna M. O'Connor

REGISTRATION NUMBER: 29252

REFERENCE/DOCKET NUMBER: 95-57

TELECOMMUNICATION INFORMATION:

TELEPHONE: 303/384-7573

TELEFAX: 303/384-7499

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 304 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-627-873-4

Query Match 2.0%; Score 43.2; DB 2; Length 304;
Best Local Similarity 58.6%; Pred. No. 0.014;
Matches 75; Conservative 0; Mismatches 53; Indels 0; Gaps 0;

QY 877 GGTGATATTTCAGCCAGTTTCTACAACTTGATGCTTGAATCCTTTATAGAGAAAGC 936
DB 2 GGAGCTGTAGCGCCCTCATCGGCTGCTCTCTGCCCCCTCGAAGAGAGA 61
QY 937 AAAGATATTATTTGTGTCTACATATGATATGCGGAGCAGATGATATAT 996
DB 62 TACAGTACATGCTGCTCAAACTCTAGCAACCTTGCGCACTTGACCTGAAATC 121
QY 997 CTTAATCA 1004
DB 122 CTCACCCA 129

RESULT 6
US-09-129-112-3
Sequence 3, Application US/09129112
Patent No. 6465716

GENERAL INFORMATION:

APPLICANT: Ezzler, Marilyn E.

APPLICANT: Murphy, Judith B.

TITLE OF INVENTION: The Regents of the University of California

FILE REFERENCE: 023070-079810US

CURRENT APPLICATION NUMBER: US/09/129,112

CURRENT FILING DATE: 1998-08-04

PRIOR APPLICATION NUMBER: US 08/907,226

NUMBER OF SEQ ID NOS: 19

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 3

LENGTH: 6265

TYPE: DNA

ORGANISM: Dolichos biflorus

FEATURE: OTHER INFORMATION: genomic sequence of NBP46 (DB46)

NAME/KEY: exon (944)

LOCATION: (633)..(944)

NAME/KEY: intron (1022)

LOCATION: (945)..(1022)

NAME/KEY: exon (1151)

LOCATION: (1023)..(1151)

NAME/KEY: intron (1152)

LOCATION: (1152)..(1159)

NAME/KEY: exon (1560)

LOCATION: (1560)..(1616)

NAME/KEY: intron (1617)

LOCATION: (1617)..(1697)

NAME/KEY: exon (1698)

LOCATION: (1698)..(1790)

US-09-129-112-3

Query Match 1.9%; Score 39.8; DB 4; Length 6265;

Best Local Similarity 48.9%; Pred. No. 0.56;

Matches 107; Conservative 0; Mismatches 112; Indels 0; Gaps 0;

QY 1760 ATATGCGCTAGTTCTTCAATGAATGTTCTAGATTTAAATAGGAGTACTT 1819
DB 1940 AATTTGCGTATATTTGTGAAGAAAGAGTATGATTTTCAATATGTAAGATTT 1999
QY 1820 TACTATGTTAGTACCTGCGAGTGTGATTTTAAATAGGATTTTTCGAGTATGCTT 1879
DB 2000 TAATTAATTTTATTAATCTTTTAACTTTAAATATATGATCACTTATGTGTGT 2059
QY 1880 TTAGCTTAAGAAAGAGAGATGAGCATTAATCTTTCTTTGAAGATCCCAAG 1939

DB 2060 GGTGATGATCCATACCCCATATGACAAATTAATGATGATGATCCATACCCGATATTAATAT 2119
QY 1940 TTAGTCACTTAAAGTCAATATGTTTAACTTAA 1978
DB 2120 TTATCAATGTCATTTATTTATTTAGTACTTAA 2158

RESULT 7
US-08-545-528D-1/C
Sequence 1, Application US/08545528D
Patent No. 6537773

GENERAL INFORMATION:

APPLICANT: Fraser et al.

TITLE OF INVENTION: Nucleotide Sequence of the Mycoplasma Genitalium Genome, Fragment

Patent No. 6537773

TITLE OF INVENTION: Thereof, and Uses Thereof

FILE REFERENCE: PBI93P1

CURRENT APPLICATION NUMBER: US/08/545,528D

CURRENT FILING DATE: 1995-10-19

PRIOR APPLICATION NUMBER: US 08/488,018

PRIOR FILING DATE: 1995-06-07

PRIOR APPLICATION NUMBER: US 08/473,545

NUMBER OF SEQ ID NOS: 1

SOFTWARE: PatentIn version 3.1

SEQ ID NO 1

LENGTH: 580073

TYPE: DNA

ORGANISM: Mycoplasma genitalium

US-08-545-528D-1

Query Match 1.8%; Score 39.2; DB 4; Length 580073;
Best Local Similarity 47.2%; Pred. No. 7.5; Indels 133; Indels 0; Gaps 0;
Matches 119; Conservative 0; Mismatches 133; Indels 0; Gaps 0;

QY 1533 TCTAAGAGATTGTAAGATATACAGATATGTTGATGATCCTCAGATTTCAGG 1592
DB 319653 TTTTGAAGATTTTCTTATGCAAAACAGCTTTAGAGATCAAAAGCAAGTTATTT 319594

QY 1593 AGATGATCAATTTGAAAAAATGTTTCAATTAAGGAAACGGTATCATTCATTCGAATCA 1652
DB 319593 AATGTGCTGCTGTTCTTCAATTTTCAATCAATGAAAGTTCGAAATGTTCTGTGTC 319534

QY 1653 TGGTACAGAAATGATATCCACCTGAGCAGTATTAAGAAACAGATTTGTTGAAA 1712
DB 319533 TGAATATGAGTGTGCTGCTTCAATTTTCAATCAATGAAATTTCTATTAACATGCTTTGATTA 319474

QY 1713 CTTTCGATCTTGGACCACTGAATGAATGAATTAATGAGACCTTAATTAATGAGCTAGT 1772
DB 319473 AATTTACTACCTCTTTCTTCAAAAAGATTTTACTTCATACGTAATGCGAAACTTAA 319414

QY 1773 TTCTTAATGA 1784
DB 319413 TACAAACCATTA 319402

RESULT 8

US-08-840-767-53
Sequence 53, Application US/08840767B
Patent No. 6255464

GENERAL INFORMATION:

APPLICANT: Vogelstein, Bert

APPLICANT: Kinzler, Kenneth W.

APPLICANT: Riggs, Gregory J.

TITLE OF INVENTION: MAD-Related Genes in the Human

FILE REFERENCE: 01107,05548

CURRENT APPLICATION NUMBER: US/08/840,767B

CURRENT FILING DATE: 1997-04-16

EARLIER APPLICATION NUMBER: 60/015,823

NUMBER OF SEQ ID NOS: 53

SOFTWARE: FastSeq for Windows Version 3.0

```

; SEQ ID NO 53
; LENGTH: 2205
; TYPE: DNA
; ORGANISM: Homo sapiens
US-08-840-767-53

```

Query Match	1.8%	Score 38.4	DB 3	Length 2205
Best Local Similarity	46.7%	Pred. No. 0.63		
Matches 157; Conservative	0	Mismatches 176	Indels 3	Gaps 1

Qy	1790	TCTCAGACATTTCTAAATAAGGACAGGACTCTTAACTCTGTATCTATACGTACACCCGACAGTGTGAT	1844
Db	1514	TCTTCTGTGTTCAATATGCAGAGATATCTTTTCAATATATGTGTATGTAGTGACCTTGTTTA	1572
Qy	1850	TTTTAAATAGAGTTTCTGCAGTATGCTTTTATGCTTAAAGAAAGCACAAGATGAGCAAT	1908
Db	1574	ATTTTAGAGAACTTTGAGTACAGATATCTGTAGGCTTACATTTGAAAGACAGATATTACAGC	1633
Qy	1910	ACTTTCCTTCTTTGAGAGAAATCCCAAAGTTAGTTCACTCTTAAATGCATATTTGTTTA	1966
Db	1634	TTATTTTTTTTCTACATATATGTGCACCAATACATTTGTATTTTGTATGAATCTACATTTG	1692
Qy	1970	ATCTTAAACCTGGGCACTTTGGAAGACTTTTAAACAGAGCCTCAATGATATACCTT	2022
Db	1694	TTGTATTTCAATGTTCA---TGTATTAATCTTTAAGAGTGTGTAAAGATGCAGAGTAA	1750
Qy	2030	GAATTTGCTGTGATTTCAAAAATAAAGACAGTGAACCAATCTGTGTGTCACGTGACTTT	2089
Db	1751	GTATTTATGCCCACTGCAGAAATTTGGCATGTGATCTTAAACCTGGAACATGCTTTTACCTT	1810
Qy	2090	ATAATGCTAATCTAACTGGTTTATTTGTTGTAGA	2125
Db	1811	ATTGCCCTAACAAATTTTATTAATTTATTTTGAAT	1846

```

RESULT 9
US-08-840-767-7
; Sequence 7, Application US/08840767B
; Patent No. 6255464
; GENERAL INFORMATION:
; APPLICANT: Vogelstein, Bert
; APPLICANT: Kozlitzier, Kenneth W.
; APPLICANT: Jiggins, Gregory J.
; APPLICANT: Thibagalingam, Sam
; TITLE OF INVENTION: MMD-Related Genes in the Human
; FILE REFERENCE: 01107.05548
; CURRENT APPLICATION NUMBER: US/08/840,767B
; CURRENT FILING DATE: 1997-04-16
; EARLIER APPLICATION NUMBER: 60/015,823
; EARLIER FILING DATE: 1996-04-18
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: FaalstSO for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 2449
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-08-840-767-7

```

	Query Match	Best local Similarity	1.8%;	Score 38.4;	DB 3,	Length 2449;
			46.7%;	Pred. No. 0.88;		
	Matches	157;	Conservative	0;	Mismatches 176;	Indels 3; Gaps 1
Qy	1790	TCTCTAGGATTTCTAAATATGCGAGGACTTACTATGTATCTAGTACCCGCGAGTGTAT	1845			
Db	1758	TCTCTGTTCATATATGCAAGATATCTTTTTCATATATTTGTATGAGACTGTTT	1817			
Qy	1850	TTTTAAATAGATTTTTCGCAATATGCTTTTATGCTTAAAGAAAGCAGATGAGCAAT	1905			
Db	1818	ATTTTAGGAACCTTGTAGTACAGATACGTGACCTTACATTTGAAAACAGATATTACAGC	1877			
Qy	1910	ACTTTCCTCTTGAAGAAATCCCAAAAGTATGTCATCTTAAAGTCATATTTGTTA	1966			
Db	1878	TTATTTTTTTCACATATATTTGACCAATATTTGTAATTTTGATATAATCTACATTTG	1933			

QY 1970 ATCTTAAACGGGGCACTTTGGAAGAACTTTTAAACAGAGCCCTCATGATGATCACTTT 2025
Db 1938 TTGTGATTTTCATGTTCA---TGTGATTAACCTTTGAAAGTGTGTGTAAGAAAGTCAGAGTTAA 1999
QY 2030 GAATTGCTGTGATTTGAAATAAATAAAGCAGAGCAACATACCTGTGTACCTGTGACTTT 2088
Db 1995 GTATTTATGCCCCAGTTTCAGAAATTTGGCATTTGATCTTAAACTGGAACATGCTTTTACTTT 2055
QY 2090 ATAAATGCTAACTATTAACCTGGTTTATTTGTTGTTAGA 2125
Db 2055 AATGCCCTAACAAATTTTATATTAATTTATTTGAAA 2090

```

RESULT 10
US-09-118-408-23
: Sequence 23, Application US/09118408A
: Patent No. 6265544
:
GENERAL INFORMATION:
: APPLICANT: Shepard, Paul O.
: TITLE OF INVENTION: ADIPOCTE-SPECIFIC PROTEIN HOMOLOGS
: FILE REFERENCE: 97-30
: CURRENT APPLICATION NUMBER: US/09/118,408A
: CURRENT FILING DATE: 1998-07-17
: EARLIER APPLICATION NUMBER: 66/053,154
: EARLIER FILING DATE: 1997-07-18
: NUMBER OF SEQ ID NOS: 47
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 23
: LENGTH: 843
: TYPE: DNA
:
ORGANISM: Artificial Sequence
:
FEATURE:
: OTHER INFORMATION: Degenerate nucleotide sequence encoding zsig37
: OTHER INFORMATION: polypeptide
:
FEATURE:
: NAME/KEY: variation
: LOCATION: (1)...(843)
:
OTHER INFORMATION: Each N is independently any nucleotide.
:
US-09-118-408-23

```

	Query Match Best Local Similarity	1.8%;	Score 37.6;	DB 3;	Length 843;
	Matches	75;	Conservative	46;	Mismatches 141;
					Indels 0;
					Gaps 0
Qy	568	ATGGGCTGCAAAAGCCCTTAAAGTCGTATTTGCTGTGAGAAATGAGAAATACCTTTCTGAT	627		
Db	382	AARGGNCARAAAGGNNWSNATGGGNCNCNGNARNMGTGYAARWSNCATYTAAGCNCN	441		
Qy	628	CTGACTGTTGACGAAATTTGAACATTTGTAATTAACCTTCAATATACAGATGTTCTCTGTT	687		
Db	442	TTYWSNCTNGNMGNAABAARCCNATGACAYMSNAYCAVTAYTVCARACNGTNATHHTY	501		
Qy	688	TTAATGAACCTTTTAACACGGATGGAAGATACCAAAAAAATACACAGATGACAAATCAT	747		
Db	502	GAYACNGARTTGTGNAAYTNTTAAGAACAATYTAAYATGTTTACNGNAARTTYAAVYGY	561		
Qy	748	TGTCGTGAAAACTACACTTTCATCAACGAGGTACCCGAGGATTTAATTAAGAAATCT	807		
Db	562	TAYGTNCNGNGNTNTATYTTTYYTYSNTNNAAYGNCAYACNTGGAAACABAARBARCN	621		
Qy	808	TTACTTCTCTGAGCAAGACG	829		
Db	622	TAYTNCAYATHATGAABAAG	643		

RESULT 11
US-09-506-855-23
; Sequence 23, Application US/09506855
; Patent No. 6448221
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Lasser, Gerald W.

```

; APPLICANT: Bishop, Paul D.
; TITLE OF INVENTION: INHIBITORS FOR USE IN HEMOSTASIS AND
; FILE REFERENCE: 99-12
; CURRENT APPLICATION NUMBER: US/09/506,855
; CURRENT FILING DATE: 2000-02-17
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 843
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Degenerate nucleotide sequence encoding zsig37
; FEATURE:
; NAME/KEY: variation
; LOCATION: (1)...(843)
; OTHER INFORMATION: Each N is independently any nucleotide.
US-09-506-855-23

```

```

Query Match          1.8%; Score 37.6; DB 4; Length 843;
Best Local Similarity 28.6%; Pred. No. 0.88;
Matches 75; Conservative 46; Mismatches 141; Indels 0; Gaps 0;

```

```

QY 568 ATGGCTGCAAGGCCCTTAAAGTCTGATTGTTGAGGAATGAGAAATACCTTTCTTGAT 627
DB 382 AARGNCARBARAGGWSNATGGGNCNCNGNGBRMNTGYAARMSCAITAYGCNGCN 441
QY 628 CTGACTGTTCAGCAATTTGAACATTGTAATAAACTCAATACAGATGTTCTCTGTT 687
DB 442 TTYMSNGTNGMGAARBARCNAATGCAVMSNAVCATYATYACARACNGTNAHTT 501
QY 688 TTAATGAACCTCTTTTAAACAGATGATGACCAAAAAAATCTACAGAGTACATCAT 747
DB 502 GAVACNGARTTYGTNAAYTTATGAYCAVTTAAVATGTTYACNGNAARTTYTAYTGY 561
QY 748 TGTCTGTGAAATCTACACTTTCAATCAACAGAGTACCCGAGATTAATAAGATCT 807
DB 562 TAYGTCNGGANYTTATYTTTYSNTNAAVGTNCAYACNTGAAACARABARACN 621
QY 808 TTAATGAACTCTTTTAAACAGATGATGACCAAAAAAATCTACAGAGTACATCAT 829
DB 622 TAYTNCAYATHATGABAAAYG 643

```

```

RESULT 12
US-09-911-176B-23
; Sequence 23, Application US/09911176B
; Patent No. 6518403
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; TITLE OF INVENTION: ANTIBODIES THAT BIND AN
; FILE REFERENCE: 97-3001
; CURRENT APPLICATION NUMBER: US/09/911,176B
; CURRENT FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: 09/118,408
; PRIOR FILING DATE: 1998-07-17
; PRIOR APPLICATION NUMBER: 60/053,154
; PRIOR FILING DATE: 1997-07-18
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 843
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Degenerate nucleotide sequence encoding zsig37
; NAME/KEY: variation
; LOCATION: (1)...(843)

```

```

; OTHER INFORMATION: Each N is independently any nucleotide.
US-09-911-176B-23

```

```

Query Match          1.8%; Score 37.6; DB 4; Length 843;
Best Local Similarity 28.6%; Pred. No. 0.88;
Matches 75; Conservative 46; Mismatches 141; Indels 0; Gaps 0;

```

```

QY 568 ATGGCTGCAAGGCCCTTAAAGTCTGATTGTTGAGGAATGAGAAATACCTTTCTTGAT 627
DB 382 AARGNCARBARAGGWSNATGGGNCNCNGNGBRMNTGYAARMSCAITAYGCNGCN 441
QY 628 CTGACTGTTCAGCAATTTGAACATTGTAATAAACTCAATACAGATGTTCTCTGTT 687
DB 442 TTYMSNGTNGMGAARBARCNAATGCAVMSNAVCATYATYACARACNGTNAHTT 501
QY 688 TTAATGAACCTCTTTTAAACAGATGATGACCAAAAAAATCTACAGAGTACATCAT 747
DB 502 GAVACNGARTTYGTNAAYTTATGAYCAVTTAAVATGTTYACNGNAARTTYTAYTGY 561
QY 748 TGTCTGTGAAATCTACACTTTCAATCAACAGAGTACCCGAGATTAATAAGATCT 807
DB 562 TAYGTCNGGANYTTATYTTTYSNTNAAVGTNCAYACNTGAAACARABARACN 621
QY 808 TTAATGAACTCTTTTAAACAGATGATGACCAAAAAAATCTACAGAGTACATCAT 829
DB 622 TAYTNCAYATHATGABAAAYG 643

```

```

RESULT 13
US-09-619-740-23
; Sequence 23, Application US/09619740
; Patent No. 6544946
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Laaser, Gerald W.
; APPLICANT: Bishop, Paul D.
; TITLE OF INVENTION: INHIBITORS FOR USE IN HEMOSTASIS AND IMMUNE FUNCTION
; FILE REFERENCE: 99-12C3
; CURRENT APPLICATION NUMBER: US/09/619,740
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/253,604
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: 09/444,794
; PRIOR FILING DATE: 1999-11-22
; PRIOR APPLICATION NUMBER: 09/506,855
; PRIOR FILING DATE: 2000-02-17
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 843
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Degenerate nucleotide sequence encoding zsig37
; NAME/KEY: variation
; LOCATION: (1)...(843)
; OTHER INFORMATION: Each N is independently any nucleotide.
US-09-619-740-23

```

```

Query Match          1.8%; Score 37.6; DB 4; Length 843;
Best Local Similarity 28.6%; Pred. No. 0.88;
Matches 75; Conservative 46; Mismatches 141; Indels 0; Gaps 0;

```

QY 568 ATGGCTGCAAGGCCCTTAAAGTCTGATTGTTGAGGAATGAGAAATACCTTTCTTGAT 627

DB 382 AARGNCARBARAGGWSNATGGGNCNCNGNGBRMNTGYAARMSCAITAYGCNGCN 441

QY 628 CTGACTGTTCAGCAATTTGAACATTGTAATAAACTCAATACAGATGTTCTCTGTT 687

DB 442 TTYMSNGTNGMGAARBARCNAATGCAVMSNAVCATYATYACARACNGTNAHTT 501

QY 688 TTAATGAACCTCTTTTAAACAGATGATGACCAAAAAAATCTACAGAGTACATCAT 747

Db 502 GAYCNCGARTTGTGNNAAYYTNTAAYGACATTTAAAVATGTTAACGNNAAATTTATVATGY 561
 Oy 748 TGTGTGTGAAATCTTACACTTTCATCAAAGCAGTACCCGAGATTATTTAAAGATCT 807
 Db 562 TAGGTNCNCGANTTNATATTTTWTNSNTNAAYGTCNACVACMTGGAACAAAGARACN 621
 Oy 808 TTACTTCCTGTAGCAAAAGACG 829
 Db 622 TATTTNCATATTAATGAARAATG 643

```

RESULT 14
US-09-506-852-23
Sequence 23. Application US/09506852
Patent No. 6566499
GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: ADIPOCYTE-SPECIFIC PROTEIN HOMOLOGS
FILE REFERENCE: 97-30
CURRENT APPLICATION NUMBER: US/09/506,852
CURRENT FILING DATE: 2000-02-17
EARLIER APPLICATION NUMBER: 60/053,154
EARLIER FILING DATE: 1997-07-18
NUMBER OF SEQ ID NOS: 44
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 23
LENGTH: 843
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Degenerate nucleotide sequence encoding zsig37
US-09-506-852-23

```

Query Match	1.8%	Score 37.6	DB 4	Length 843
Best Local Similarity	28.6%	Pred. No. 0.88		
Matches	75	Conservative	46	Mismatches 141; Indels 0; Gaps 0
Qy	568	ATGGGCTGCAAAGGCCCTTAAAGTCGTGATTGGTGTGAGGAAATGAGAACTCTTCTGCAT	627	
Db	382	AARGGNCABAAARGGWSNATGGGNCNCNGGNGABMGVTGYAARRSNCAITAYAGCNGCN	441	
Qy	628	CTGACTGTTCAAGCAAAATTGAACATTGGATTAATAAACCTCAATACATACAGATGTCCTCTGTT	687	
Db	442	TTYSNGTNGGNGMGNABABARCNAITGCAYMSNAAYCAITAYTAYCABACNGTNAHTHTY	501	
Qy	688	TTAATGAACCTCTTTTAACACGGATGAAGTATACCAAAAAAATCTCAGAGAATGACAACTAT	747	
Db	502	GAYACNGEARITTYGTNAAYVTNATVAYGACAYTTAAAYAAAGTGTACGNGNAARITTYTAYTGY	561	
Qy	748	TGTCGTGAAAAATTACACCTTTCATCAAGACAGATACCCGAGATTAAATAAAGATCT	807	
Db	562	TAYGTNCNGGANYTNTAATYTTTYSNVTNNAAYGTNCAVCMTGGAAACAPARBARACN	621	
Qy	808	TTACTTCTGTAGCAAGAGAC	829	
Db	622	TAYTNCAYTHATGAAAPAAATG	643	

RESULT 15 731-126/C
US-08-943-126/C
Sequence 126, Application US/08943731
Patent No. 6265157
GENERAL INFORMATION:
APPLICANT: PROCKOP, DARWIN J.
APPLICANT: SPOTILA, LORETTA D.
APPLICANT: DELTAS, CONSTANTINOS D
APPLICANT: SEREDA, LARISSA
APPLICANT: LARSON, ANDREA W.
APPLICANT: PACK, MICHAEL
APPLICANT: COLLGE, ALAIN
APPLICANT: EARLY, JAMES

```

1  APPLICANT: KOKKO, JARMO
2  APPLICANT: ALA-KOKKO, LEEA, et al.
3  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETECTING
4  TITLE OF INVENTION: ALTERED TYPE I OR TYPE IX COLLAGEN GENE SEQUENCES
5  NUMBER OF SEQUENCES: 666
6  CORRESPONDENCE ADDRESS:
7  ADDRESS: PANITH SCHWARZE JACOBS & NADEL, P.C.
8  STREET: ONE COMMERCE SQUARE, 2005 MARKET STREET, 22ND
9  STREET: FLR.
10 CITY: PHILADELPHIA
11 STATE: PA
12 COUNTRY: USA
13 ZIP: 19103-7086
14 COMPUTER READABLE FORM:
15 MEDIUM TYPE: floppy disk
16 COMPUTER: IBM PC compatible
17 OPERATING SYSTEM: PC-DOS/MS-DOS
18 SOFTWARE: Patent'n Release #1.0, Version #1.30
19 CURRENT APPLICATION DATA:
20 APPLICATION NUMBER: US/08/943,731
21 FILING DATE: 03-OCT-1997
22 CLASSIFICATION: 435
23 PRIOR APPLICATION DATA:
24 APPLICATION NUMBER: US 08/212,322
25 FILING DATE: 14-MAR-1994
26 PRIOR APPLICATION DATA:
27 APPLICATION NUMBER: US 07/803,628
28 FILING DATE: 03-DEC-1991
29 ATTORNEY/AGENT INFORMATION:
30 NAME: DOYLE LEARY Ph.D., KATHRYN
31 REGISTRATION NUMBER: 36,317
32 REFERENCE/DOCKET NUMBER: 9598-27
33 TELECOMMUNICATION INFORMATION:
34 TELEPHONE: 215-965-1284
35 TELEFAX: 215-567-2991
36 TELEX: 831-494
37 INFORMATION FOR SEQ ID NO: 126:
38 SEQUENCE CHARACTERISTICS:
39 LENGTH: 648 base pairs
40 TYPE: nucleic acid
41 STRANDEDNESS: double
42 TOPOLOGY: linear
43 MOLECULE TYPE: DNA (genomic)
44 US-08-943-731-126

```

Query Match	1.7%;	Score 37.4;	DB 3;	Length 648;
Best Local Similarity	53.8%;	Pred. No. 0.88;	Mismatches 66;	Indels 0;
Matches	77;	Conservative 0;	Gaps 0;	
Qy	1871	AGATGCTTTAGTCTAAGAAAACACAGATGAGCATACTTCTCTTTGAGAGAA	1936	
Db	375	AATATGAAATTAACCTTCATTTAAACTATATCTTTAAATTTTCTTACTATGAAACCT	316	
Qy	1931	TCCCAAAAGTTAGTTCATCTTAAAGTCATATTTGTTAATCTTAAAACTGGCAACTTT	1996	
Db	315	TTGTAAAAAAGTACGTCAATTTGAAAAATGCTTCATTTATATATCTAAGTTTGAGCATTTGA	256	
Qy	1991	CGAAGACTTTTAACAGAGGCT	2013	
Db	255	GACATCAACACTGTCAAAAGACT	233	

Search completed: January 22, 2004, 16:55:39
Job time : 137 secs

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 22, 2004, 17:06:31 / Search time 1454 Seconds
(without alignments)
5281.074 Million cell updates/sec

Title: US-09-981-353-104

Perfect score: 2147

Sequence: 1 gtgttagagaagaagtaggag.....gtactatattagtggaag 2147

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 235869 seqs, 178823528 residues

Total number of hits satisfying chosen parameters: 4713738

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: Published Applications NA:*

1: /cgn2_6/ptodata/1/pubna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubna/PTC_NEW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubna/US05_NEW_PUB.seq:*
4: /cgn2_6/ptodata/1/pubna/US06_PUBCOMB.seq:*
5: /cgn2_6/ptodata/1/pubna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/1/pubna/PTC_NEW_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/1/pubna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubna/US09A_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubna/US09B_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubna/US09C_PUBCOMB.seq:*
12: /cgn2_6/ptodata/1/pubna/US09_NEW_PUB.seq:*
13: /cgn2_6/ptodata/1/pubna/US09_NEW_PUB.seq2:*
14: /cgn2_6/ptodata/1/pubna/US10A_PUBCOMB.seq:*
15: /cgn2_6/ptodata/1/pubna/US10B_PUBCOMB.seq:*
16: /cgn2_6/ptodata/1/pubna/US10_NEW_PUB.seq:*
17: /cgn2_6/ptodata/1/pubna/US60_NEW_PUB.seq:*
18: /cgn2_6/ptodata/1/pubna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2147	100.0	2147	10	US-09-981-353-104
2	2147	100.0	2222	10	US-09-981-353-76
3	1961.2	91.3	2118	15	US-10-158-646-11
4	1924	89.6	2277	15	US-10-158-646-10
5	1676.6	78.1	1823	10	US-09-880-107-338
6	1676.6	78.1	1823	13	US-09-873-367C-785
7	558.8	26.0	566	15	US-10-102-524-1334
8	432.8	20.2	437	11	US-09-918-995-14100
9	429	20.0	430	11	US-09-918-995-3419
10	423.2	19.7	471	11	US-09-918-995-35346
11	422	19.7	422	11	US-09-918-995-17154
12	421.4	19.6	433	11	US-09-918-995-36518
13	419.8	19.6	471	10	US-09-917-800A-877
14	413.8	19.3	1419	13	US-10-032-585-6645
15	392.2	18.3	2045	12	US-10-393-840-80

16	388	18.1	439	11	US-09-918-995-8128	Sequence 8128, Ap
17	386.2	18.0	428	10	US-09-960-352-6825	Sequence 6825, Ap
18	385.4	18.0	1960	12	US-10-393-840-79	Sequence 79, Ap
19	379.2	17.7	1697	12	US-10-431-273-2	Sequence 2, Ap
20	375.2	17.5	396	9	US-09-825-284-43	Sequence 43, Ap
21	375.2	17.5	396	10	US-09-970-966-43	Sequence 43, Ap
22	375.2	17.5	396	12	US-10-369-186-43	Sequence 43, Ap
23	375.2	17.5	396	13	US-10-361-811-43	Sequence 43, Ap
24	375.2	17.5	396	16	US-10-212-677-43	Sequence 43, Ap
25	375.2	17.5	1500	12	US-10-369-493-45947	Sequence 45947, A
26	372.8	17.4	1737	12	US-10-431-273-1	Sequence 1, Ap
27	372.4	17.3	406	11	US-09-918-995-4877	Sequence 4877, Ap
28	363.6	16.9	1518	12	US-10-369-493-46396	Sequence 46396, A
29	338.4	15.8	388	10	US-09-960-352-3813	Sequence 3813, Ap
30	333.6	15.5	1025	12	US-10-369-493-29619	Sequence 29619, A
31	333.6	15.5	1025	12	US-10-369-493-29620	Sequence 29620, A
32	333.6	15.5	1025	12	US-10-369-493-29621	Sequence 29621, A
33	324.2	15.1	634	11	US-09-871-161-511	Sequence 511, Ap
34	310.4	14.5	1461	12	US-10-369-493-36644	Sequence 36644, A
35	309.2	14.4	3536	15	US-10-128-714-150	Sequence 150, App
36	309.2	14.4	3536	15	US-10-128-714-5150	Sequence 5150, App
37	308	14.3	1536	15	US-10-128-714-1150	Sequence 1150, App
38	308	14.3	1536	15	US-10-128-714-2150	Sequence 2150, App
39	308	14.3	1536	15	US-10-128-714-6150	Sequence 6150, App
40	308	14.3	1536	15	US-10-128-714-7150	Sequence 7150, App
41	294	13.7	520	15	US-10-102-524-191	Sequence 191, App
42	294	13.7	520	15	US-10-102-524-509	Sequence 509, App
43	281	13.1	1532	12	US-10-369-493-27709	Sequence 27709, A
44	259.8	12.1	1497	12	US-10-369-493-46322	Sequence 46322, A
45	259.4	12.1	301	10	US-09-960-352-13801	Sequence 13801, A

ALIGNMENTS

RESULT 1
US-09-981-353-104
Sequence 104, Application US/09981353
Patent No. US20020160382A1
GENERAL INFORMATION:
APPLICANT: Lasek, Amy W.
TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
FILE REFERENCE: PA-0038 US
CURRENT APPLICATION NUMBER: US/09/981,353
CURRENT FILING DATE: 2001-10-11
NUMBER OF SEQ ID NOS: 194
SOFTWARE: PERL Program
SEQ ID NO 104
LENGTH: 2147
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20020160382A1 2555628CB1
US-09-981-353-104

Query Match 100.0%; Score 2147; DB 10; Length 2147;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2147; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
C
1 GTGTTTGAAGAAAGTAAAGGCTGTGCTGCGGAGCCGCTGACGGGTGACAAAGGG 60
1 GTGTTTGAAGAAAGTAAAGGCTGTGCTGCGGAGCCGCTGACGGGTGACAAAGGG 60
D
1 GTGTTTGAAGAAAGTAAAGGCTGTGCTGCGGAGCCGCTGACGGGTGACAAAGGG 60
61 GGTTCACAGCTGGCTGCGACCGTTAGGAGGGGCTCAAGGTGTCATGTGAGGAA 120
D
61 GGTTCACAGCTGGCTGCGACCGTTAGGAGGGGCTCAAGGTGTCATGTGAGGAA 120
C
121 GAGGAG 180
121 GAGGAG 180
D
121 GAGGAG 180

QY 181 GGGCCATAAAGCCCCCAATTTCCAGCTGCTAAAGAAAGAGATCTTGAACAAGCA 240
 DB 181 GGGCCATAAAGCCCCCAATTTCCAGCTGCTAAAGAAAGAGATCTTGAACAAGCA 240
 QY 241 ATGTCTCAAGATGTGTCTTCTGAGTTCAGAAAGTCAATTCGGCAAGCTAGAAATTAATCT 300
 DB 241 ATGTCTCAAGATGTGTCTTCTGAGTTCAGAAAGTCAATTCGGCAAGCTAGAAATTAATCT 300
 QY 301 GTGAAGAAAGAACTAGAAAAAATTAATCTCAGCAAGATCAATCAATGAATTTAGCAACCC 360
 DB 301 GTGAAGAAAGAACTAGAAAAAATTAATCTCAGCAAGATCAATCAATGAATTTAGCAACCC 360
 QY 361 AAAAAGCCTGGATGGATTTGGAAAGCTAATTTCAATGATTTTGGAGAAAAAGGGGCT 420
 DB 361 AAAAAGCCTGGATGGATTTGGAAAGCTAATTTCAATGATTTTGGAGAAAAAGGGGCT 420
 QY 421 TCTGTGATTTGGGAAAAAATCCAGAGACCCCTGAAAGATTCGATTCACCCCTATGAAAG 480
 DB 421 TCTGTGATTTGGGAAAAAATCCAGAGACCCCTGAAAGATTCGATTCACCCCTATGAAAG 480
 QY 481 ATAAAGCCAGGGGCTTGTCTGATTAATATCTTCCTGTGTGAACAACTAGTGTGTG 540
 DB 481 ATAAAGCCAGGGGCTTGTCTGATTAATATCTTCCTGTGTGAACAACTAGTGTGTG 540
 QY 541 AAACCTAATGCTGTTGGGAACAGCAATGGGCTGAAAGGCCCTAAAGCTGATGCT 600
 DB 541 AAACCTAATGCTGTTGGGAACAGCAATGGGCTGAAAGGCCCTAAAGCTGATGCT 600
 QY 601 GTGAGAAATGAGAAATACCTTTCTGATCTGATCTGAGCAAAATGGAACATTTGAATAA 660
 DB 601 GTGAGAAATGAGAAATACCTTTCTGATCTGATCTGAGCAAAATGGAACATTTGAATAA 660
 QY 661 ACCTAATGAGATGCTTCTGTTTAAATGAACCTTTTAAACGAGTAAAGATACC 720
 DB 661 ACCTAATGAGATGCTTCTGTTTAAATGAACCTTTTAAACGAGTAAAGATACC 720
 QY 721 AAAAAAATCTACAGAAAGTAAATCAATGCTGTGAAAAATCTTACCTTTCAATGAAGC 780
 DB 721 AAAAAAATCTACAGAAAGTAAATCAATGCTGTGAAAAATCTTACCTTTCAATGAAGC 780
 QY 781 AGGTACCCGAGGATTAATTAAGAAATCTTACTCTGTAAGAAAGACGTGCTTAATCA 840
 DB 781 AGGTACCCGAGGATTAATTAAGAAATCTTACTCTGTAAGAAAGACGTGCTTAATCA 840
 QY 841 GGGGAAATATACAGAAAGCTTGATACCTCCAGGTCATGATTAATTAACGCAAGTTTAC 900
 DB 841 GGGGAAATATACAGAAAGCTTGATACCTCCAGGTCATGATTAATTAACGCAAGTTTAC 900
 QY 901 AACTCTGATTTGCTGATACCTTTATAGAGAAAGGCAAGATTAATTTTGTGTAC 960
 DB 901 AACTCTGATTTGCTGATACCTTTATAGAGAAAGGCAAGATTAATTTTGTGTAC 960
 QY 961 ATAGATTAATCTGGGTGCAAGTGAATCTGTATTAATCTTAATCATTAATGAACCAACC 1020
 DB 961 ATAGATTAATCTGGGTGCAAGTGAATCTGTATTAATCTTAATCATTAATGAACCAACC 1020
 QY 1021 AATGAAAAAGCTGTGAATTTGTCAATGAAGTCAAAATTAACAGCTGAGATGAAG 1080
 DB 1021 AATGAAAAAGCTGTGAATTTGTCAATGAAGTCAAAATTAACAGCTGAGATGAAG 1080
 QY 1081 GGGGGGACCTCACTCAATTAATGAAGCAACCTGAGATGTTGGAATTTGCTCAAGTCCA 1140
 DB 1081 GGGGGGACCTCACTCAATTAATGAAGCAACCTGAGATGTTGGAATTTGCTCAAGTCCA 1140
 QY 1141 AAAAGCAATGTAAGAGAGTTCAGTCTGATCAAAAGTTCAAAATTTTAATCAAAACAC 1200
 DB 1141 AAAAGCAATGTAAGAGAGTTCAGTCTGATCAAAAGTTCAAAATTTTAATCAAAACAC 1200
 QY 1201 CTATGATTTCTCTTGCAGACAGTAAAGACTGACAGAGCAAAATGCCATTTGACATGAA 1260
 DB 1201 CTATGATTTCTCTTGCAGACAGTAAAGACTGACAGAGCAAAATGCCATTTGACATGAA 1260
 QY 1261 ATCATTTGTAATGCAAAAGACTTTGATGAGGCTGATATGCTCAATTAAGAACTGCA 1320

DB 1261 ATCATTTGTAATGCAAAAGACTTTGATGAGGCTGATATGCTCAATTAAGAACTGCA 1320
 QY 1321 GTAGGGGCTGCCATCAAAAGTTTGAAGATTTCTAGATTTAATGTCGAAGAGCCGT 1380
 DB 1321 GTAGGGGCTGCCATCAAAAGTTTGAAGATTTCTAGATTTAATGTCGAAGAGCCGT 1380
 QY 1381 TTTCTGCTGTCAAAACCAATCAAGATCTTGTGGGATGTAACCTCATATGCTT 1440
 DB 1381 TTTCTGCTGTCAAAACCAATCAAGATCTTGTGGGATGTAACCTCATATGCTT 1440
 QY 1441 AATGAGGATCTGACAAATGAGTGAAGAGGGAATTTCCACAGTCCCTGTTTAA 1500
 DB 1441 AATGAGGATCTGACAAATGAGTGAAGAGGGAATTTCCACAGTCCCTGTTTAA 1500
 QY 1501 TTAGGCACTTTTATGAGAGGTTCAAGATTAATCTAAGAAATTTGAAAGTATACAGAT 1560
 DB 1501 TTAGGCACTTTTATGAGAGGTTCAAGATTAATCTAAGAAATTTGAAAGTATACAGAT 1560
 QY 1561 ATGCTGAATTTGATCACTGACAGTTTCAAGAGATGTAATTTGAAAAATGTTTCA 1620
 DB 1561 ATGCTGAATTTGATCACTGACAGTTTCAAGAGATGTAATTTGAAAAATGTTTCA 1620
 QY 1621 TTAAGGGAACGTTATCATGATTCAGAAATCATGATGACAGAAATTTGATCCACTGGA 1680
 DB 1621 TTAAGGGAACGTTATCATGATTCAGAAATCATGATGACAGAAATTTGATCCACTGGA 1680
 QY 1681 GCAGTATTAGAAACAGAGTTGTCTGAAAACTTCGATCTTGGACCACTGAATGAA 1740
 DB 1681 GCAGTATTAGAAACAGAGTTGTCTGAAAACTTCGATCTTGGACCACTGAATGAA 1740
 QY 1741 AAATCTGTGACACTTAATTAATGAGGCTACTTTCTTAATGAATGCTCTAGATTT 1800
 DB 1741 AAATCTGTGACACTTAATTAATGAGGCTACTTTCTTAATGAATGCTCTAGATTT 1800
 QY 1801 CTAAAAATGAGGAGTACTTACTATGATCTGACAGTCCGACAGTGTGATTTTAAATAG 1860
 DB 1801 CTAAAAATGAGGAGTACTTACTATGATCTGACAGTCCGACAGTGTGATTTTAAATAG 1860
 QY 1861 AGTTTCTGAGATAGCTTTTATGCTTAAGAAAGCAGATGAGCAATTAATCTTCTCT 1920
 DB 1861 AGTTTCTGAGATAGCTTTTATGCTTAAGAAAGCAGATGAGCAATTAATCTTCTCT 1920
 QY 1921 TTGAAGAAATCCCAAAAGTTAGTTCATCTTAATGAGCAATTTGTTTAACTTAACT 1980
 DB 1921 TTGAAGAAATCCCAAAAGTTAGTTCATCTTAATGAGCAATTTGTTTAACTTAACT 1980
 QY 1981 GGGCAACTTTGGAAGAACTTTTAAACAGAGGCTCAATGATGATCACTTGAATGCTTGT 2040
 DB 1981 GGGCAACTTTGGAAGAACTTTTAAACAGAGGCTCAATGATGATCACTTGAATGCTTGT 2040
 QY 2041 GATTTCAAAATTAAGCAGTGAAGCAATCTTGATGATCACTGATTAATTAATCTAAC 2100
 DB 2041 GATTTCAAAATTAAGCAGTGAAGCAATCTTGATGATCACTGATTAATTAATCTAAC 2100
 QY 2101 TATAACTGTTTATTTGTTTGAAGCACTTACTATTAATTAATGTTGAAG 2147
 DB 2101 TATAACTGTTTATTTGTTTGAAGCACTTACTATTAATTAATGTTGAAG 2147

RESULT 2
 US-09-981-353-76
 ; Sequence 76, Application US/09981353
 ; Patent No. US20020160382A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lasek, Amy W.
 ; APPLICANT: Jones, David A.
 ; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
 ; FILE REFERENCE: PA-0038 US
 ; CURRENT APPLICATION NUMBER: US/09/981,353
 ; CURRENT FILING DATE: 2001-10-11
 ; NUMBER OF SEQ ID NOS: 194
 ; SOFTWARE: PERL Program

SEQ ID NO 76
LENGTH: 2222
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20020160382A1 237563.31
NAME/KEY: unsure
LOCATION: 2208
OTHER INFORMATION: a, t, c, g, or other
US-09-981-353-76

Query Match 100.0%; Score 2147; DB 10; Length 2222;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2147; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGTTAGAGAAATAGAGGCTGTGGGTGTGGGAGCCGCTGACGGGTGACAAAGGG 60
DB 46 GTGTTAGAGAAATAGAGGCTGTGGGTGTGGGAGCCGCTGACGGGTGACAAAGGG 105
QY 61 GGGTTAGAGCTGGCTGACCGTTAGAGAGGGCTCAAGGTGCAATGTGAGGAA 120
DB 106 GGGTTAGAGCTGGCTGACCGTTAGAGAGGGCTCAAGGTGCAATGTGAGGAA 165
QY 121 GAGAGAGAGAGAAAGGGCGCTCAGAGGTGACTTTAGAGCTGCGAGCTTCTCCGG 180
DB 166 GAGAGAGAGAGAAAGGGCGCTCAGAGGTGACTTTAGAGCTGCGAGCTTCTCCGG 225
QY 181 GGGCATTAAGCGCCCAATTTCCAGCTGCTAAAGAGAGAGAGATTTAGCAAGCA 240
DB 226 GGGCATTAAGCGCCCAATTTCCAGCTGCTAAAGAGAGAGAGATTTAGCAAGCA 285
QY 241 ATGTCTCAAGATGTGCTTCTCAGTTTCAAGAGTCATTTGGCAGAGCTAGATATCT 300
DB 286 ATGTCTCAAGATGTGCTTCTCAGTTTCAAGAGTCATTTGGCAGAGCTAGATATCT 345
QY 301 GTGAGAGAGAACTAGAAAAATATCTCAACAGAGCATCATGAATTTGAGACACC 360
DB 346 GTGAGAGAGAACTAGAAAAATATCTCAACAGAGCATCATGAATTTGAGACACC 405
QY 361 AAAAAAGCTGTGATGATTTGGAAGCTATTCTATGATTTTTCAGAAAAAGGGGCT 420
DB 406 AAAAAAGCTGTGATGATTTGGAAGCTATTCTATGATTTTTCAGAAAAAGGGGCT 465
QY 421 TCTGTGATGTGGGAAAAATCCAGAGACCCCTGAGAGTTGATCAACCCATGAAAG 480
DB 466 TCTGTGATGTGGGAAAAATCCAGAGACCCCTGAGAGTTGATCAACCCATGAAAG 525
QY 481 ATAAAGCCAGGGGCTTGCCTGATATATATCTTCCGTGGAACAATAGTGTGTG 540
DB 526 ATAAAGCCAGGGGCTTGCCTGATATATATCTTCCGTGGAACAATAGTGTGTG 585
QY 541 AAATCAATGTGTGTGGGAAACGAGATGGGCTGCAAAAGCCCTTAAAGTGTGTGT 600
DB 586 AAATCAATGTGTGTGGGAAACGAGATGGGCTGCAAAAGCCCTTAAAGTGTGTGT 645
QY 601 GTGAGGATGAGAAATCTTTCTGTGATCTGATCTTTCAGCAAAATTTGAATAA 660
DB 646 GTGAGGATGAGAAATCTTTCTGTGATCTGATCTTTCAGCAAAATTTGAATAA 705
QY 661 ACCTCAATATCAGATGTCTCTTGTTTTAATGAATCTTTTAAACAGGATGAATACC 720
DB 706 ACCTCAATATCAGATGTCTCTTGTTTTAATGAATCTTTTAAACAGGATGAATACC 765
QY 721 AAAAAATATCTACAGAGTACATCATTTGTGTGAAATCTTACATTTCAATCAAGC 780
DB 766 AAAAAATATCTACAGAGTACATCATTTGTGTGAAATCTTACATTTCAATCAAGC 825
QY 781 AGGTCCCGGAGATTAATTAAGAAATCTTATCTCTGAGCAAAAGAGTGTCTTATCCA 840
DB 826 AGGTCCCGGAGATTAATTAAGAAATCTTATCTCTGAGCAAAAGAGTGTCTTATCCA 885
QY 841 GGGGAAATATACGAAGCTTGTGATCCCTCAGGTCAATGTGATATTTAGCCAGTTTCTAC 900

DB 886 GGGGAAATATACGAAGCTTGTGATCCCTCAGGTCAATGTGATATTTAGCCAGTTTCTAC 945
QY 901 AACTGTGATGTCTGTATATCTTTATAGAGAAAGCAAGATATATTTTGTGTCTAC 960
DB 946 AACTGTGATGTCTGTATATCTTTATAGAGAAAGCAAGATATATTTTGTGTCTAC 1005
QY 961 ATAGATATCTGGGTGACACAGTGTATCTATATTTTAACTAATGAAACCCACC 1020
DB 1006 ATAGATATCTGGGTGACACAGTGTATCTATATTTTAACTAATGAAACCCACC 1065
QY 1021 AATGAAAAAGCTGTGATTTTGTATGAAATCTCAATTAATAACAGTGTGATTAAG 1080
DB 1066 AATGAAAAAGCTGTGATTTTGTATGAAATCTCAATTAATAACAGTGTGATTAAG 1125
QY 1081 GGGGGACACTCACTCAATATAGAAAGCAAACTGAGCTGGGAAATTTGCTCAAGTCCA 1140
DB 1126 GGGGGACACTCACTCAATATAGAAAGCAAACTGAGCTGGGAAATTTGCTCAAGTCCA 1185
QY 1141 AAGCACATGTAGACGAGTTCAAGTCTGTATCAAAAGTTTAAATATATACAAACAC 1200
DB 1186 AAGCACATGTAGACGAGTTCAAGTCTGTATCAAAAGTTTAAATATATACAAACAC 1245
QY 1201 CTATGATTTCTCTTGACAGCTTAATAAGACTGACAGCAAAATGCCATTGACATGAA 1260
DB 1246 CTATGATTTCTCTTGACAGCTTAATAAGACTGACAGCAAAATGCCATTGACATGAA 1305
QY 1261 ATCATTTGAAATGCAAAAGCTTTGATGAGAGCCCTGAAATGTCATTTCAATTTGAAAC 1320
DB 1306 ATCATTTGAAATGCAAAAGCTTTGATGAGAGCCCTGAAATGTCATTTCAATTTGAAAC 1365
QY 1321 GTAGAGGCTGACATCAAAAGTTTGAAGATTTCTAGGATTAATGTCACAAAGACCGT 1380
DB 1366 GTAGAGGCTGACATCAAAAGTTTGAAGATTTCTAGGATTAATGTCACAAAGACCGT 1425
QY 1381 TTTTGTCTGTCAAAACCAATCAGATCTTGTGTGTGATGCAAACTGTATATGCTT 1440
DB 1426 TTTTGTCTGTCAAAACCAATCAGATCTTGTGTGTGATGCAAACTGTATATGCTT 1485
QY 1441 AATGAGATTTCTGACATATAGAGAAAGGGGAAATTTCTCAAGTCCCTTGTGTTAA 1500
DB 1486 AATGAGATTTCTGACATATAGAGAAAGGGGAAATTTCTCAAGTCCCTTGTGTTAA 1545
QY 1501 TTAGGAGATTTCTTTAGAGAGTTCAAGATTAATCAAGAAATTTGAAAGATACAGAT 1560
DB 1546 TTAGGAGATTTCTTTAGAGAGTTCAAGATTAATCAAGAAATTTGAAAGATACAGAT 1605
QY 1561 ATGCTTGAATTTGATCACTTCAAGTTTCAAGAGATGATCAATTTGAAAAATGTTTCA 1620
DB 1606 ATGCTTGAATTTGATCACTTCAAGTTTCAAGAGATGATCAATTTGAAAAATGTTTCA 1665
QY 1621 TTAAAGGAAAGGTTATCATATTTGCAAAATATATGTCAGAAATTTGATTTCCAC 1680
DB 1666 TTAAAGGAAAGGTTATCATATTTGCAAAATATATGTCAGAAATTTGATTTCCAC 1725
QY 1681 GCAGATTTAGAGAAAGATTTGTCTGGAACCTTGCATCTTGGACCACTGAAATGAA 1740
DB 1726 GCAGATTTAGAGAAAGATTTGTCTGGAACCTTGCATCTTGGACCACTGAAATGAA 1785
QY 1741 AAATATGTGTGACATTAATATATGAGCTATTTCTTAATGAATGTTTCTAGAGAT 1800
DB 1786 AAATATGTGTGACATTAATATATGAGCTATTTCTTAATGAATGTTTCTAGAGAT 1845
QY 1801 CTAAATATGAGAGTATCTTATCTATGTTATCTGACCTGACAGTGTGATTTTAAATAG 1860
DB 1846 CTAAATATGAGAGTATCTTATCTATGTTATCTGACCTGACAGTGTGATTTTAAATAG 1905
QY 1861 AGTTTGTGAGATGCTTTTATGCTTAAGAAAGCAAGATGAGCAATATCTTCTCT 1920
DB 1906 AGTTTGTGAGATGCTTTTATGCTTAAGAAAGCAAGATGAGCAATATCTTCTCT 1965
QY 1921 TTGAAGAAATCCCAAAAGTTAGTTCAATTTAAAGTCAATATTTGTTAATCTTAAACT 1980

Db 1966 TTGAAGAGATCCAAAAGTAGTTCATCTTAAGTGAATATGTTAATCTTAAACT 2025
Qy 1991 GGGCACTTTGGAGAACTTTTAACAGAAAGCTCAATGATGATCACTTTGAATTCCTGT 2040
Db 2026 GGGCACTTTGGAGAACTTTTAACAGAAAGCTCAATGATGATCACTTTGAATTCCTGT 2085
Qy 2041 GATTTCAAAAATTAAGACAGTGAAGCAATCTGTGTACACTGTCTTATATAGCTAAC 2100
Db 2086 GATTTCAAAAATTAAGACAGTGAAGCAATCTGTGTACACTGTCTTATATAGCTAAC 2145
Qy 2101 TATAAAGCTGTTATGTTGTTAGACAGTTACTATATATAGTTGAAG 2147
Db 2146 TATAAAGCTGTTATGTTGTTAGACAGTTACTATATATAGTTGAAG 2192
RESULT 3
US-10-158-646-11
; Sequence 11, Application US/10158646
; Publication No. US20030073105A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy K.W.
; TITLE OF INVENTION: Sornase, Thierry
; FILE REFERENCE: PA-0030-1 US
; CURRENT APPLICATION NUMBER: US/10/158,646
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: 60/295,239
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
; SEQ ID NO 11
; LENGTH: 2118
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030073105A1 237563.10
; NAME/KEY: unsure
; LOCATION: 2110
; OTHER INFORMATION: a, c, c, g, or other
US-10-158-646-11
Query Match 91.3%; Score 1961.2; DB 15; Length 2118;
Best Local Similarity 96.9%; Pred. No. 0;
Matches 2045; Conservative 0; Mismatches 4; Indels 62; Gaps 2;
Qy 4 TTTAGAGAAAGTAGAGGCTGTGGGTGTGGAGCCGGCTGACGGGTGACAAAGGGGGG 63
Db 8 TTTAGAGAAAGTAGAGGCTGTGGGTGTGGAGCCGGCTGACGGGTGACAAAGGGGGG 67
Qy 64 TTAGCAGCTGGGCTGCAGCCGTTAGAGAGGGCTCAAGGTGTGCAATGTGTAGAGGAAG 123
Db 68 TTAGCAGCTGGGCTGCAGCCGTTAGAGAGGGCTCAAGGTGTGCAATGTGTAGAGGAAG 127
Qy 124 AGAGAGAGAAAGGGGCGCTTCAGAGGTACTTTCAAGCTTGCAGAGCTTTTCCGGGGG 183
Db 128 AGAGAGAGAAAGGGGCGCTTCAGAGGTACTTTCAAGCTTGCAGAGCTTTTCCGGGGG 187
Qy 184 CCATTAAGGCCCCCAATTTCCAGCTGCTTAAGAGAGAGAGAGAGAGAGAGAGAGAG 224
Db 188 CCATTAAGGCCCCCAATTTCCAGCTGCTTAAGAGAGAGAGAGAGAGAGAGAGAGAG 247
Qy 225 -----AGATCTTAGCAAAAGCAAT 242
Db 248 CAGAGCGGAAGGGCTGGGGAGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 307
Qy 243 GTCTCAAGATGCTGCTTCTCAAGTTCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 302
Db 308 GTCTCAAGATGCTGCTTCTCAAGTTCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 367
Qy 303 GAAGAAG 362

Db 368 GAAGAAG 427
Qy 363 AAAAG 422
Db 428 AAAAG 487
Qy 423 TGTGATGAG 482
Db 488 TGTGATGAG 547
Qy 483 AAAAG 542
Db 548 AAAAG 607
Qy 543 ACTCAATGAG 602
Db 608 ACTCAATGAG 667
Qy 603 GAG 662
Db 668 GAG 727
Qy 663 CTACATACAGATGCTCTGTTGTTTAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 722
Db 728 CTACATACAGATGCTCTGTTGTTTAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 787
Qy 723 AAAAATACAG 782
Db 788 AAAAATACAG 847
Qy 783 GTACCCGAG 842
Db 848 GTACCCGAG 907
Qy 843 GAAAG 902
Db 908 GAAAG 967
Qy 903 CTCTGAGATGCTGATACCTTTATAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 962
Db 968 CTCTGAGATGCTGATACCTTTATAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1027
Qy 963 AGATATCTGGAG 1021
Db 1028 AGATATCTGGAG 1087
Qy 1022 ATGAG 1081
Db 1088 ATGAG 1147
Qy 1082 GCGGAG 1141
Db 1148 GCGGAG 1207
Qy 1142 AAGCAGATGAG 1201
Db 1208 AAGCAGATGAG 1267
Qy 1262 TATGATTTCTCTGAG 1261
Db 1268 TATGATTTCTCTGAG 1327
Qy 1262 TCAATGAG 1321
Db 1328 TCAATGAG 1387
Qy 1322 TAGGGGCTGCATCAAAAGTTTGAAGATCTCTAGATTAATAGTGAAGAGAGAGAGAG 1381
Db 1388 TAGGGGCTGCATCAAAAGTTTGAAGATCTCTAGATTAATAGTGAAGAGAGAGAGAGAG 1447
Qy 1382 TTCTGCTGCTGAG 1441
Db 1448 TTCTGCTGCTGAG 1507

QY 1442 ATGAGATCTCTGACAAATGAGTGAAGGCGGAAATTTCTTACAGTGCCTTGGTTAAAT 1501
 DB 1508 ATGAGAGATCTCTGACAAATGAGTGAAGGCGGAAATTTCTTACAGTGCCTTGGTTAAAT 1567
 QY 1502 TAGGAGATCTTTTACGAAAGGTTCAAGTTATCTTAAGAAATTTGAAGTATACAGATA 1561
 DB 1568 TAGGAGATCTTTTACGAAAGGTTCAAGTTATCTTAAGAAATTTGAAGTATACAGATA 1627
 QY 1562 TGCTTGAATTTGATCACTCAAGTTTCAAGAGATGATGACATTTGGAAAAATGTTTAT 1621
 DB 1628 TGCTTGAATTTGATCACTCAAGTTTCAAGAGATGATGACATTTGGAAAAATGTTTAT 1687
 QY 1622 TAAAGGAAAGGTTATCATCATTTGCAATTCATGATGACAGAAATTTGATTTCCACCTGAG 1681
 DB 1688 TAAAGGAAAGGTTATCATCATTTGCAATTCATGATGACAGAAATTTGATTTCCACCTGAG 1747
 QY 1682 CAGTATTTGAGAACAAAGTTGTCTGAGAAACCTTGCATCTTGGACCACTGAAATGAAA 1741
 DB 1748 CAGTATTTGAGAACAAAGTTGTCTGAGAAACCTTGCATCTTGGACCACTGAAATGAAA 1807
 QY 1742 AATCTGTGACACTTAATATATGAGGCTAGTTTCTTCAATGAATGTTCTCTAGATTC 1801
 DB 1808 AATCTGTGACACTTAATATATGAGGCTAGTTTCTTCAATGAATGTTCTCTAGATTC 1867
 QY 1802 TAAATAGGCAAGTACTTACTATGTTACTGATACCTGAGTGTGATTTTAAATAGA 1861
 DB 1868 TAAATAGGCAAGTACTTACTATGTTACTGATACCTGAGTGTGATTTTAAATAGA 1927
 QY 1862 GTTTTCTGCAATGCTTTTATGTTCTTAAGAAAAGCAAGATGAGCAATATCTTCTCTT 1921
 DB 1928 GTTTTCTGCAATGCTTTTATGTTCTTAAGAAAAGCAAGATGAGCAATATCTTCTCTT 1987
 QY 1922 TGAAGAGATCCCAAGTATGTTCTTAAGGCAATATGTTTAACTTAAACTG 1981
 DB 1988 TGAAGAGATCCCAAGTATGTTCTTAAGGCAATATGTTTAACTTAAACTG 2047
 QY 1982 GGCACCTTTGAGAACTTTTAAAGAAAGCTCAATGATGATCACTTGAATGCTTGTG 2041
 DB 2048 GGCACCTTTGAGAACTTTTAAAGAAAGCTCAATGATGATCACTTGAATGCTTGTG 2107
 QY 2042 ATTTCAAAAAT 2052
 DB 2108 ATTTCAAAAAT 2118
 RESULT 4
 US-10-158-646-10
 : Sequence 10, Application US/10158646
 : Publication No. US20030073105A1
 : GENERAL INFORMATION:
 : APPLICANT: Laeak, Amy K.W.
 : APPLICANT: Sorhase, Thierly
 : TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
 : FILE REFERENCE: PA-0030-1 US
 : CURRENT APPLICATION NUMBER: US/10/158,646
 : PRIOR FILING DATE: 2002-05-29
 : PRIOR APPLICATION NUMBER: 60/295,239
 : NUMBER OF SEQ ID NOS: 78
 : SOFTWARE: PERL Program
 : SEQ ID NO 10
 : LENGTH: 2277
 : TYPE: DNA
 : ORGANISM: Homo sapiens
 : FEATURE:
 : NAME/KEY: misc feature
 : OTHER INFORMATION: Incyte ID No. US20030073105A1 237563.4
 : FEATURE:
 : NAME/KEY: unsure
 : LOCATION: 2263
 : OTHER INFORMATION: a, t, c, g, or other
 US-10-158-646-10

Query Match 89.6%; Score 1924; DB 15; Length 2277;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1924; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 224 AAGATCTTAAAGCAAGATGTTCTCAAGATGTTCTTCACTTCCAGAGATCTTGGC 283
 DB 324 AAGATCTTAAAGCAAGATGTTCTCAAGATGTTCTTCACTTCCAGAGATCTTGGC 383
 QY 284 AAGATCTTAAAGCAAGATGTTCTCAAGATGTTCTTCACTTCCAGAGATCTTGGC 343
 DB 384 AAGATCTTAAAGCAAGATGTTCTCAAGATGTTCTTCACTTCCAGAGATCTTGGC 443
 QY 344 ATGAATTTGAGCAACCAAAAAGACCTGATGATTTGGAACCTATTTTATAGATTTT 403
 DB 444 ATGAATTTGAGCAACCAAAAAGACCTGATGATTTGGAACCTATTTTATAGATTTT 503
 QY 404 TGCAAGAAAAGGGGCTTCTGTGATTTGGGAAAAATTCAGAGACCCCTGAAATTCGA 463
 DB 504 TGCAAGAAAAGGGGCTTCTGTGATTTGGGAAAAATTCAGAGACCCCTGAAATTCGA 563
 QY 464 TTCAACCTTAAAGAAAGTAAAGGCGGAGGCTTCTGATATATATCTTCCGTTGA 523
 DB 564 TTCAACCTTAAAGAAAGTAAAGGCGGAGGCTTCTGATATATATCTTCCGTTGA 623
 QY 524 ACAATAGTGTGTTGTTAACTCAATGTTGTTGGAAACAGATGGCTGCAAGGCC 583
 DB 624 ACAATAGTGTGTTGTTAACTCAATGTTGTTGGAAACAGATGGCTGCAAGGCC 683
 QY 584 CTAAAGATGATGTTGTTGAGAAATGAGAAATATCTTCTGATCTGATCTTTCAGCAA 643
 DB 684 CTAAAGATGATGTTGTTGAGAAATGAGAAATATCTTCTGATCTGATCTTTCAGCAA 743
 QY 644 TTGAACCTTGAATTAAGTAACTCAATGTTGTTGTTTAACTTAACTTAACTTAA 703
 DB 744 TTGAACCTTGAATTAAGTAACTCAATGTTGTTGTTTAACTTAACTTAACTTAA 803
 QY 704 ACAAGATGAAATACCAAAAATATCAAGAAATCAATGTTGTTGTTGTTGTTGTTGTT 763
 DB 804 ACAAGATGAAATACCAAAAATATCAAGAAATCAATGTTGTTGTTGTTGTTGTTGTT 863
 QY 764 ACACTTCAATCAAGAGGATCCGAGATTAATAAGATCTTAACTTCTCTGATCAA 823
 DB 864 ACACTTCAATCAAGAGGATCCGAGATTAATAAGATCTTAACTTCTCTGATCAA 923
 QY 824 AGAAGTGTCTTACTCAGGGAATTAAGAACTTGTGATCCTTCCAGTCTGATGATA 883
 DB 924 AGAAGTGTCTTACTCAGGGAATTAAGAACTTGTGATCCTTCCAGTCTGATGATA 983
 QY 884 TTTAGCCAGTTCTTCAACTGATGTTGTTGATTAATTAAGAAAGCAAGAGT 943
 DB 984 TTTAGCCAGTTCTTCAACTGATGTTGTTGATTAATTAAGAAAGCAAGAGT 1043
 QY 944 ATATTTTGTCTTCAATGATTAATCTGAGTGCAGATGATCTGATATCTTAACT 1003
 DB 1044 ATATTTTGTCTTCAATGATTAATCTGAGTGCAGATGATCTGATATCTTAACT 1103
 QY 1004 ATCTAATGAACCCCAATGAAAGAAAGCTGTGATTTGTCAAGAAAGTCAAAATAAA 1063
 DB 1104 ATCTAATGAACCCCAATGAAAGAAAGCTGTGATTTGTCAAGAAAGTCAAAATAAA 1163
 QY 1064 CAGTGAATGTTAAAGGGGGGCACTCACTCAATTAAGGCAAACTGAGTGTG 1123
 DB 1164 CAGTGAATGTTAAAGGGGGGCACTCACTCAATTAAGGCAAACTGAGTGTG 1223
 QY 1124 AATTTGCTCAAGTCCAAAAGCAATGTAGACAGTTCAAGTCTGATCAAGTTCAAA 1183
 DB 1224 AATTTGCTCAAGTCCAAAAGCAATGTAGACAGTTCAAGTCTGATCAAGTTCAAA 1283
 QY 1184 TATTTAATCAAAACCAATGATTTCTTGTGAGAGTTAAAGCTGAGAGCAAA 1243
 DB 1284 TATTTAATCAAAACCAATGATTTCTTGTGAGAGTTAAAGCTGAGAGCAAA 1343

1244 ATGCATTGACATGGAATCATTTGAAATGCAAGACATTTGGATGAGGCGCTGAATGCA 1303
1344 ATGCCATTGACATGGAATCATTTGAAATGCAAGACATTTGGATGAGGCGCTGAATGCA 1403
1304 TTCAATTGAAATCTGACATGAGGCGCTGCAATCAAAAGTTTGAAGATTTCTAGGATTA 1363
1404 TTCAATTGAAATCTGACATGAGGCGCTGCAATCAAAAGTTTGAAGATTTCTAGGATTA 1463
1364 ATGTGCAAGAGAGCGCTTTCTGCTGTCACAAACATCATCATCTTTCTGCTGAGAT 1423
1464 ATGTGCAAGAGAGCGCTTTCTGCTGTCACAAACATCATCATCTTTCTGCTGAGAT 1523
1424 CAATCTCTATAGTCTTATGAGAGATCTTGACAAATGAGAGAGAGAGAGAGAGAGAG 1483
1524 CAATCTCTATAGTCTTATGAGAGATCTTGACAAATGAGAGAGAGAGAGAGAGAGAG 1583
1484 CAGTCCCTTGGTTAAATTAAGCAGTTCTTTTACGAAGGTTCAAGATTAATCTAAGAGAT 1543
1584 CAGTCCCTTGGTTAAATTAAGCAGTTCTTTTACGAAGGTTCAAGATTAATCTAAGAGAT 1643
1544 TTGAAAGTATACCAATATGCTTGAATTTGATCACTTCAAGTTTCAAGATTTGATCAAT 1603
1644 TTGAAAGTATACCAATATGCTTGAATTTGATCACTTCAAGTTTCAAGATTTGATCAAT 1703
1604 TTGAAAGTATACCAATATGCTTGAATTTGATCACTTCAAGTTTCAAGATTTGATCAAT 1663
1704 TTGAAAGTATACCAATATGCTTGAATTTGATCACTTCAAGTTTCAAGATTTGATCAAT 1763
1664 TTGATATCCCACTGAGCAGATTAATGAGAACAAATTTGTCTGAGAAACCTTGCATCT 1723
1764 TTGATATCCCACTGAGCAGATTAATGAGAACAAATTTGTCTGAGAAACCTTGCATCT 1823
1724 TGACCACTGAAATGAAATATCTGTGACACTTAATTAATGAGGCTTGAATTTCAATG 1783
1824 TGACCACTGAAATGAAATATCTGTGACACTTAATTAATGAGGCTTGAATTTCAATG 1883
1784 AAATGTTCTCTAGATCTTAAATTAAGGAGGATCTTAAATGATGATGATGATGATGAT 1843
1884 AAATGTTCTCTAGATCTTAAATTAAGGAGGATCTTAAATGATGATGATGATGATGAT 1943
1844 GTTGATTTTAAATTAAGGATTTCTGACATGATGATGATGATGATGATGATGATGATGAT 1903
1944 GTTGATTTTAAATTAAGGATTTCTGACATGATGATGATGATGATGATGATGATGATGAT 2003
1904 AGCAATTAATCTTCTTCTTGAAGAGATCCCAAAAGTTAGTTCACTTAAAGTGCAATAT 1963
2004 AGCAATTAATCTTCTTCTTGAAGAGATCCCAAAAGTTAGTTCACTTAAAGTGCAATAT 2063
1964 TGTTTAATCTTAAATCTGGGCAACTTTGGAAGAACTTTTACAGAAGGCTCAATGATAT 2023
2064 TGTTTAATCTTAAATCTGGGCAACTTTGGAAGAACTTTTACAGAAGGCTCAATGATAT 2123
2024 CACTTGAATGCTTGTGATTTCAAAATTAAGAGAGATGATGATGATGATGATGATGATGAT 2083
2124 CACTTGAATGCTTGTGATTTCAAAATTAAGAGAGATGATGATGATGATGATGATGATGAT 2183
2084 TACTTAAATGCTAATTAATCTGTTTATTTGTTTGAACAGTTTACTAATTAATGATGAT 2143
2184 TACTTAAATGCTAATTAATCTGTTTATTTGTTTGAACAGTTTACTAATTAATGATGAT 2243
2144 GAGG 2147
2244 GAGG 2247

RESULT 5
US-09-880-107-3338
Sequence 3338, Application US/09880107
Patent No. US20020142981A1
GENERAL INFORMATION:
APPLICANT: Horne, Darci T.
APPLICANT: Vockley, Joseph G.
APPLICANT: Scherf, Uwe

APPLICANT: Gene Logic, Inc.
TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
FILE REFERENCE: 44921-5028-WO
CURRENT FILING DATE: 2001-06-14
PRIOR APPLICATION NUMBER: US 60/211,379
PRIOR FILING DATE: 2000-06-14
PRIOR APPLICATION NUMBER: US 60/237,054
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 3950
SOFTWARE: PatentIn Ver. 2.1
LENGTH: 1823
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: Genbank Accession No. US20020142981A1 U27460
US-09-880-107-3338

Query Match 78.1%; Score 1676.6; DB 10; Length 1823;
Best Local Similarity 98.5%; Pred. No. 0; Mismatches 24; Indels 2; Gaps 1;
Matches 1703; Conservative 0;

225 AGATCTTGAACAAGCAATGCTCAAGATGCTTCTCAGTTCCAGAGAGTCAATTCGCA 284
93 AGATCTTGAACAAGCAATGCTCAAGATGCTTCTCAGTTCCAGAGAGTCAATTCGCA 152
285 AGACTGAAATTAATCTGGAAGAGAACTGAAAGAAATATCTCACACAGATCAATCA 344
153 AGACTGAAATTAATCTGGAAGAGAACTGAAAGAAATATCTCACACAGATCAATCA 212
345 TGAATTTGAGACACCAAAAGACCTGAGATGATTTGGAAGATTTCAATGATTTT 404
213 TGAATTTGAGACACCAAAAGACCTGAGATGATTTGGAAGATTTCAATGATTTT 272
405 GCAAGAAAGAGGCGCTTCTGATGATGGAAGAAATCCAGAGACCCCTGAAAGATTCGAT 464
273 GCAAGAAAGAGGCGCTTCTGATGATGGAAGAAATCCAGAGACCCCTGAAAGATTCGAT 332
465 TCAACCTTGAAGAAAGATTAAGGCGAGGCGCTGCTGATTAATATTTCTCGTTGAA 524
333 TCAACCTTGAAGAAAGATTAAGGCGAGGCGCTGCTGATTAATATTTCTCGTTGAA 392
525 CAATCTAGTGTGGAATCAATGATGTTTGGGAACGAGATGAGGCTGCAAGAGGCC 584
393 CAATCTAGTGTGGAATCAATGATGTTTGGGAACGAGATGAGGCTGCAAGAGGCC 452
585 TAAAGTCTGATGATGGAAGATGAGATACCTTTCTGATCTGACTGATCAAGCAAT 644
453 TAAAGTCTGATGATGGAAGATGAGATACCTTTCTGATCTGACTGATCAAGCAAT 512
645 TGAACATTTGAATTAATCAATCAATCAATGATGCTTCTGTTTAAATGAATCTTTTAA 704
513 TGAACATTTGAATTAATCAATCAATCAATGATGCTTCTGTTTAAATGAATCTTTTAA 572
705 CACGATGAAGATGCAAAATTAATCAATCAATCAATGATGCTTCTGTTTAAATGAATCTTTTAA 764
573 CACGATGAAGATGCAAAATTAATCAATCAATCAATGATGCTTCTGTTTAAATGAATCTTTTAA 632
765 CACTTCAATCAAGAGATGATGAGATTAATTAAGATCTTTACTTCTGTAAGCAAA 824
633 CACTTCAATCAAGAGATGATGAGATTAATTAAGATCTTTACTTCTGTAAGCAAA 692
825 GAGCGTCTTACTGAGGGAATTAATCAATCAATCAATGATGCTTCTGTAAGCAAA 884
693 GAGCGTCTTACTGAGGGAATTAATCAATCAATCAATGATGCTTCTGTAAGCAAA 752
885 TTAGGCGATTTCTCAATCTGATGCTTGAATCTTTATAGAGAGAGCAAGATTA 944
753 TTAGGCGATTTCTCAATCTGATGCTTGAATCTTTATAGAGAGAGCAAGATTA 812
945 TATTTTGTCTCAATCAATCAATCAATGATGCTTCTGTAAGCAAA 1004

Db 813 TATTTTGTGCTAATAGATATATCTGGTCCACAGTGAATCTATATTTCTTAATCA 872
 Oy 1005 TCTATGAACCCACCAATGAAAAAGCTGTGAATTTGTGATGAAAGTCAAAATTAAC 1064
 Db 873 TCTATGAACCCACCAATGAAAAAGCTGTGAATTTGTGATGAAAGTCAAAATTAAC 932
 Oy 1065 ACGTCAGATGTAAGGGGGGACACCTGATGTAAGGCAAACTGAGCTGTGGA 1124
 Db 993 ACGTCAGATGTAAGGGGGGACACCTGATGTAAGGCAAACTGAGCTGTGGA 992
 Oy 1125 AATGCTCAAGTCCAAAGACATGTAAGGAGTTCAAGTCTGATCAAAAGTTCAAAAT 1184
 Db 993 AATGCTCAAGTCCAAAGACATGTAAGGAGTTCAAGTCTGATCAAAAGTTCAAAAT 1052
 Oy 1185 AATTAATCAAAACCTATGATTTCTTTGACAGATTAAGACAGGAGCAAA 1244
 Db 1053 AATTAATCAAAACCTATGATTTCTTTGACAGATTAAGACAGGAGCAAA 1112
 Oy 1245 TGCCATGACATGAAATCATTTGTAATGCAAAAGCTTTGATGAGGCTGATGAT 1304
 Db 1113 TGCCATGACATGAAATCATTTGTAATGCAAAAGCTTTGATGAGGCTGATGAT 1172
 Oy 1305 TCAATTAAGAACTGAGTAGGGGCTGCCATCAAAAGTTTGAGAAATCTGATTA 1364
 Db 1173 TCAATTAAGAACTGAGTAGGGGCTGCCATCAAAAGTTTGAGAAATCTGATTA 1232
 Oy 1365 TGTCGCAAGAGCCCTTTTCTGCTGCAAAACCATCAAGTCTCTTGTGTGATGTC 1424
 Db 1233 TGTCGCAAGAGCCCTTTTCTGCTGCAAAACCATCAAGTCTCTTGTGTGATGTC 1292
 Oy 1425 AAACCTCTATAGTCTTAATGACAGATCTCTGACATGAGTGAAGAGGAAATTTCTAC 1484
 Db 1293 AAACCTCTATAGTCTTAATGACAGATCTCTGACATGAGTGAAGAGGAAATTTCTAC 1352
 Oy 1485 AGTGCCTTGTTAATTAAGGAGTCTTTTAAGAGGTTCAAGATTAATCTAAGAAAT 1544
 Db 1353 AGTGCCTTGTTAATTAAGGAGTCTTTTAAGAGGTTCAAGATTAATCTAAGAAAT 1412
 Oy 1545 TGAATGATACCAATGATGCTGTAATTTGATCACTCAAGTTTCAAGAGATGATCAAT 1604
 Db 1413 TGAATGATACCAATGATGCTGTAATTTGATCACTCAAGTTTCAAGAGATGATCAAT 1472
 Oy 1605 TGAATGATGCTTCAATTAAGGAGGAGTATGATCACTCAAGTTTCAAGAGATGATCAAT 1664
 Db 1473 TGAATGATGCTTCAATTAAGGAGGAGTATGATCACTCAAGTTTCAAGAGATGATCAAT 1532
 Oy 1665 TGATATCCACCTGAGAGATTAAGAGAAAGATGATGCTGAGAACTTCCGATCTT 1724
 Db 1533 TGATATCCACCTGAGAGATTAAGAGAAAGATGATGCTGAGAACTTCCGATCTT 1592
 Oy 1725 GGAACCACTGAATGAAAAATCTGAGACCTTAATTAATGAGGCTAGTTCTTCAATGA 1784
 Db 1593 GGAACCACTGAATGAAAAATCTGAGACCTTAATTAATGAGGCTAGTTCTTCAATGA 1652
 Oy 1785 AATGTTCTAGATTTCTAATAATAGGAGGATCTTAATGATGTAAGTCCGAGG 1844
 Db 1653 AATGTTCTAGATTTCTAATAATAGGAGGATCTTAATGATGTAAGTCCGAGG 1712
 Oy 1845 TTGATTTTAAATAGAGTTTCTGAGATGCTTTAGTCTAAGAAAAAGACAGATGGA 1904
 Db 1713 TTGATTTTAAATAGAGTTTCTGAGATGCTTTAGTCTAAGAAAAAGACAGATGGA 1772
 Oy 1905 GCAATGATCTTCTTTGAGAGAAATCCCAAAAGTTAGTTCAATCTTAA 1953
 Db 1773 GCAATGATCTTCTTTGAGAGAAATCCCAAAAGTTAGTTCAATCTTAA 1819

RESULT 6
 US-09-873-367C-785
 ; Sequence 785, Application US/09873367C
 ; Publication No. US20030165839A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Young, Paul

; APPLICANT: Soppet, Daniel
 ; APPLICANT: Endress, Gregory
 ; APPLICANT: Augustus, Meena
 ; APPLICANT: Ebner, Reinhard
 ; APPLICANT: Carter, Kenneth
 ; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
 ; FILE REFERENCE: 689290-64
 ; CURRENT APPLICATION NUMBER: US/09/873.367C
 ; CURRENT FILING DATE: 2003-04-29
 ; PRIOR APPLICATION NUMBER: U.S. 60/236,891
 ; PRIOR FILING DATE: 2000-09-29
 ; PRIOR APPLICATION NUMBER: U.S. 60/236,842
 ; PRIOR FILING DATE: 2000-09-29
 ; PRIOR APPLICATION NUMBER: U.S. 60/244,867
 ; PRIOR FILING DATE: 2000-11-01
 ; PRIOR APPLICATION NUMBER: U.S. 60/245,084
 ; PRIOR FILING DATE: 2000-11-01
 ; NUMBER OF SEQ ID NOS: 1067
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 785
 ; LENGTH: 1823
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-873-367C-785

Query Match 78.1%; Score 1676.6; DB 13; Length 1823;
 Best Local Similarity 98.5%; Pred. No. 0;
 Matches 1703; Conservative 0; Mismatches 24; Indels 2; Gaps 1;

Oy 225 AGATCTTAGCAAAACCAATGCTCAAGATGCTTCTCAGTTCCAGAGATCATTCGGCA 284
 Db 93 AGATCTTAGCAAAACCAATGCTCAAGATGCTTCTCAGTTCCAGAGATCATTCGGCA 152
 Oy 285 AGACTGAAATTAATCTGTAAGAAAGAACTAAGAAAAATCTCAACACGATCATCA 344
 Db 153 AGACTGAAATTAATCTGTAAGAAAGAACTAAGAAAAATCTCAACACGATCATCA 212
 Oy 345 TGAATTTGAGACACCAAAAAAGACCTGAGATGATTTCCGAGATTAATCAATGATTTT 404
 Db 213 TGAATTTGAGACACCAAAAAAGACCTGAGATGATTTCCGAGATTAATCAATGATTTT 272
 Oy 405 GCAAGAAAAAGGGGCTTCTGATGATGGGAAAAATCCAGAGACCCCTGAAGATTCGAT 464
 Db 273 GCAAGAAAAAGGGGCTTCTGATGATGGGAAAAATCCAGAGACCCCTGAAGATTCGAT 332
 Oy 465 TCAACCTATGAAAAAGATTAAGGACGAGGGGCTTCTGATTAATATATCTTCCGTGGA 524
 Db 333 TCAACCTATGAAAAAGATTAAGGACGAGGGGCTTCTGATTAATATATCTTCCGTGGA 392
 Oy 525 CAACTAGTGTGTGAAATCTCAATGATGTTTGGAAACCGATGAGGCTGCAAAAGGCC 584
 Db 393 CAACTAGTGTGTGAAATCTCAATGATGTTTGGAAACCGATGAGGCTGCAAAAGGCC 452
 Oy 585 TAAAGTCTGATGTTGTGAGAGATGAGATTAACCTTTCTGATCTGACTGTTCAAGAAAT 644
 Db 453 TAAAGTCTGATGTTGTGAGAGATGAGATTAACCTTTCTGATCTGACTGTTCAAGAAAT 512
 Oy 645 TGAACATTTGAATAAACTCAATACATGATGTTCTTGTGTAATGAATCTTTTAA 704
 Db 513 TGAACATTTGAATAAACTCAATACATGATGTTCTTGTGTAATGAATCTTTTAA 572
 Oy 705 CACGATGAAATACCAAAAAATACATCAAGATTAACATGATGTTGTGTAATGAATCTT 764
 Db 573 CACGATGAAATACCAAAAAATACATCAAGATTAACATGATGTTGTGTAATGAATCTT 632
 Oy 765 CACTTCAATCAAGAGATGACCGAGATTAATTAAGAAATCTTTACTTCTGTAAGCAA 824
 Db 633 CACTTCAATCAAGAGATGACCGAGATTAATTAAGAAATCTTTACTTCTGTAAGCAA 692
 Oy 825 GGAAGTGTCTTAATCAAGGAAAAATACAGAAAGTTGTGATCCCTCAAGGTCATGATGAT 884
 Db 693 GGAAGTGTCTTAATCAAGGAAAAATACAGAAAGTTGTGATCCCTCAAGGTCATGATGAT 752


```

; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 14100
; LENGTH: 437
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(437)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-14100

```

```

Query Match      20.2%; Score 432.8; DB 11; Length 437;
Best Local Similarity 99.5%; Pred. No. 2e-106;
Matches 434; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 1606 GGAAGAAATGTTCTTAAAGGAAAGGTTATCATCTTGAACATGATGAGAGAAAT 1665
DB 1 GGAAGAAATGTTCTTAAAGGAAAGGTTATCATCTTGAACATGATGAGAGAAAT 60
QY 1666 GATATCCACCTGAGCAGATATTAGAAACAAGATTGTCTGAAACCTTCGATCTTG 1725
DB 61 GATATCCACCTGAGCAGATATTAGAAACAAGATTGTGTCTGAAACCTTCGATCTTG 120
QY 1726 GACCACTGAAATGAAATGAAATCTGTGACACTTAAATTAATGGCTTCTTACATGAA 1785
DB 121 GACCACTGAAATGAAATGAAATCTGTGACACTTAAATTAATGGCTTCTTACATGAA 180
QY 1786 ATGTTCTGAGATCTTAAATAGGAGGATCTTACTATGTTACTGTAACCTGAGATGT 1845
DB 181 ATGTTCTGAGATCTTAAATAGGAGGATCTTACTATGTTACTGTAACCTGAGATGT 240
QY 1846 TGATTTTAAATAGATGTTTCTGCAAGTATGCTTTAGTCTAAGAAAACAAGATGAG 1905
DB 241 TGATTTTAAATAGATGTTTCTGCAAGTATGCTTTAGTCTAAGAAAACAAGATGAG 300
QY 1906 CAATCTTCTCTTCTTGAAGAAATCCCAAAAGTTAGTCACTTAAAGTCAATATTG 1965
DB 301 CAATCTTCTCTTCTTGAAGAAATCCCAAAAGTTAGTCACTTAAAGTCAATATTG 360
QY 1966 TTTATCTTAAACGCGGCACTTTTGAAGAACTTTTAAACAAGCCTCAATGATGATCA 2025
DB 361 GTTAATCTTAAACGCGGCACTTTTGAAGAACTTTTAAACAAGCCTCAATGATGATCA 420
QY 2026 CTTGAATGCTTG 2041
DB 421 CTTGAATGCTTG 436

```

```

RESULT 9
US-09-918-995-3419
; Sequence 3419; Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0

```

```

; SEQ ID NO 3419
; LENGTH: 430
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(430)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-3419

```

```

Query Match      20.0%; Score 429; DB 11; Length 430;
Best Local Similarity 100.0%; Pred. No. 2.1e-105;
Matches 429; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1457 CAATGAGTGAAGAAACGGGAATTTCTCAGAGCCCTTGTTAAATTAAGCAGTCTTTA 1516
DB 1 CAATGAGTGAAGAAACGGGAATTTCTCAGAGCCCTTGTTAAATTAAGCAGTCTTTA 60
QY 1517 CGAAGTTCAAGATTATCTAAGAAAGATTGAAGATATACAGATATGCTGAATTGATC 1576
DB 61 CGAAGTTCAAGATTATCTAAGAAAGATTGAAGATATACAGATATGCTGAATTGATC 120
QY 1577 ACTTCACAGTTTCAGAGATGTGACATTTGGAAAAATGTTCTTAAAGGAAACGTTA 1636
DB 121 ACTTCACAGTTTCAGAGATGTGACATTTGGAAAAATGTTCTTAAAGGAAACGTTA 180
QY 1637 TCATCATTTGCAATCATGATGACAGAAATGATATCCACCTGAGCAGATATTAGAAACA 1696
DB 181 TCATCATTTGCAATCATGATGACAGAAATGATATCCACCTGAGCAGATATTAGAAACA 240
QY 1697 AGATTGTCTGGAACCTTGCATCTTGAACAACCTGAATGAAGAAATATCTGTGACACT 1756
DB 241 AGATTGTCTGGAACCTTGCATCTTGAACAACCTGAATGAAGAAATATCTGTGACACT 300
QY 1757 TAAATATGGCTTATGTTCTTACATGAATGTTCTGTAGATTTCTAATATGAGAGATA 1816
DB 301 TAAATATGGCTTATGTTCTTACATGAATGTTCTGTAGATTTCTAATATGAGAGATA 360
QY 1817 CTTACTATGTTACTGTAACCTGAGATGTTATTTTAAATAGAGTTTCTGCAAGTATG 1876
DB 361 CTTACTATGTTACTGTAACCTGAGATGTTATTTTAAATAGAGTTTCTGCAAGTATG 420
QY 1877 CTTTATGTC 1885
DB 421 CTTTATGTC 429

```

```

RESULT 10
US-09-918-995-35346
; Sequence 35346; Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 35346
; LENGTH: 471
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(471)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-35346

```

```

Query Match      19.7%; Score 423.2; DB 11; Length 471;

```

Best Local Similarity 99.3%; Pred. No. 8.3e-104;
Matches 425; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1105 GCGAACTGAGACTGATGAAATTCCTCAAGTCCGCAAAAGCAATGATGACAGTTCAAG 1164
DB 44 GCGAACTGAGACTGATGAAATTCCTCAAGTCCGCAAAAGCAATGATGACAGTTCAAG 103
QY 1165 TCTGATTCGAAATTTCAAAATATTATTAATCAACCACTGATGATTTCTCTGACAGAT 1224
DB 104 TCTGATTCGATTCGAAATTTATTAATCAACCACTGATGATTTCTCTGACAGAT 163
QY 1225 AAAAGCTGACGAGCAAAATTCCTCAATGATGATGATGATGATGATGATGATGATGAT 1284
DB 164 AAAAGCTGACGAGCAAAATTCCTCAATGATGATGATGATGATGATGATGATGATGAT 223
QY 1285 GATGAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1344
DB 224 GATGAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 283
QY 1345 GAGATTCCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1404
DB 284 GAGATTCCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 343
QY 1405 GATCTCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1464
DB 344 GATCTCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 403
QY 1465 GAAAAGCGGAAATTCCTCAAGTCCCTGTTAAATTAAGAGATTCCTTTTACGAAGTT 1524
DB 404 GAAAAGCGGAAATTCCTCAAGTCCCTGTTAAATTAAGAGATTCCTTTTACGAAGTT 463
QY 1525 CAAGATTA 1532
DB 464 CAAGATTA 471

RESULT 11

US-09-918-995-17154
; Sequence 17154, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17154
; LENGTH: 422
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-995-17154

Query Match 19.7%; Score 422; DB 11; Length 422;

Best Local Similarity 100.0%; Pred. No. 1.6e-103;
Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1033 TGTGATTTGTGATGAGTCAAAATTAACACGCTGATGATGATGATGATGATGATGATGAT 1092
DB 1 TGTGATTTGTGATGAGTCAAAATTAACACGCTGATGATGATGATGATGATGATGATGAT 60
QY 1093 ACTCAATATGAGGCAAACTGAGCTGATGATGATGATGATGATGATGATGATGATGAT 1152
DB 61 ACTCAATATGAGGCAAACTGAGCTGATGATGATGATGATGATGATGATGATGATGAT 120
QY 1153 GACGATTCAGTCTGATCAAAATTAATTAATCAAAACCACTGATGATGATGATGATGAT 1212
DB 121 GACGATTCAGTCTGATCAAAATTAATTAATCAAAACCACTGATGATGATGATGATGAT 180

QY 1213 CTTCGACAGTTAAAGACTGACGAGCAAAATTCATGATGATGATGATGATGATGATGATGAT 1272
DB 181 CTTCGACAGTTAAAGACTGACGAGCAAAATTCATGATGATGATGATGATGATGATGATGAT 240
QY 1273 GCAAGACTTTGATGAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1332
DB 241 GCAAGACTTTGATGAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 300
QY 1333 ATCAAAATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1392
DB 301 ATCAAAATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 360
QY 1393 AAAACCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1452
DB 361 AAAACCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 420
QY 1453 CT 1454
DB 421 CT 422

RESULT 12

US-09-918-995-36518
; Sequence 36518, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 36518
; LENGTH: 433
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-995-36518

Query Match 19.6%; Score 421.4; DB 11; Length 433;

Best Local Similarity 99.8%; Pred. No. 2.4e-103;
Matches 422; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 30 GTCGGACCGGCTGACGAGTGAACAAGGCGGCTTACGACCTGCGACCGTTAGG 89
DB 11 GTCGGACCGGCTGACGAGTGAACAAGGCGGCTTACGACCTGCGACCGTTAGG 70
QY 90 GAGGGGCTCAAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 149
DB 71 GAGGGGCTCAAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 130
QY 150 TGACTTCAGGCTGAGGCTTCTTCCGCGGCGCATTAAGCGCCCAATTTCCCACT 209
DB 131 TGACTTCAGGCTGAGGCTTCTTCCGCGGCGCATTAAGCGCCCAATTTCCCACT 190
QY 210 GCTAAAGAGAGAGATCTTACGAAGCAATGCTCAAGATGATGATGATGATGATGATGATGAT 269
DB 191 GCTAAAGAGAGAGATCTTACGAAGCAATGCTCAAGATGATGATGATGATGATGATGATGAT 250
QY 270 AGAAGTCAATTTGGGCAAGGCTGATGATGATGATGATGATGATGATGATGATGATGAT 329
DB 251 AGAAGTCAATTTGGGCAAGGCTGATGATGATGATGATGATGATGATGATGATGATGAT 310
QY 330 CACAGCATCATCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 389
DB 311 CACAGCATCATCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 370
QY 390 ATTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 449
DB 371 ATTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 430

Qy 450 CCC 452.
DB 431 CCC 433

RESULT 13

US-09-917-800A-877/c
; Sequence 877, Application US/09917800A
; Patent No. US20020119462A1

GENERAL INFORMATION:

APPLICANT: Mendrick, Donna
APPLICANT: Porter, Mark
APPLICANT: Johnson, Kory
APPLICANT: Castle, Arthur
APPLICANT: Elashoff, Michael
APPLICANT: Gene Logic, Inc.
TITLE OF INVENTION: Molecular Toxicology Modeling
FILE REFERENCE: 44921-5038-US
CURRENT APPLICATION NUMBER: US/09/917,800A
CURRENT FILING DATE: 2001-07-31
PRIOR APPLICATION NUMBER: US 60/222,040
PRIOR FILING DATE: 2000-07-31
PRIOR APPLICATION NUMBER: US 60/222,880
PRIOR FILING DATE: 2000-11-02
PRIOR APPLICATION NUMBER: US 60/290,029
PRIOR FILING DATE: 2001-05-11
PRIOR APPLICATION NUMBER: US 60/290,645
PRIOR FILING DATE: 2001-05-15
PRIOR APPLICATION NUMBER: US 60/292,336
PRIOR FILING DATE: 2001-05-22
PRIOR APPLICATION NUMBER: US 60/295,798
PRIOR FILING DATE: 2001-06-06
PRIOR APPLICATION NUMBER: US 60/297,457
PRIOR FILING DATE: 2001-06-13
PRIOR APPLICATION NUMBER: US 60/298,884
PRIOR FILING DATE: 2001-06-19
PRIOR APPLICATION NUMBER: US 60/303,459
PRIOR FILING DATE: 2001-07-09
NUMBER OF SEQ ID NOS: 1740
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 877
LENGTH: 671
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURES:
OTHER INFORMATION: Genbank Accession No. US20020119462A1 A1170679
NAME/KEY: misc. feature
LOCATION: (1)-(671)
OTHER INFORMATION: n = a or c or g or t
US-09-917-800A-877

Query Match 19.6%; Score 419.8; DB 10; Length 671;
Best Local Similarity 81.3%; Pred. No. 8.7e-103;
Matches 536; Conservative 0; Mismatches 114; Indels 9; Gaps 4;

Qy 1403 CAGATCTCTGCTGATGTAACCTCTATAGCTTAATGACAGATCTGCAATGA 1462
DB 671 CAGATCTCTTATCTTGATGTCACAACTTACAGCTTAACGAGATCTTGAACCA 612
Qy 1463 GTGAAGCGGGAAATTTCTTACAGTCCCTGGTAAATTAAGGAGCTTCTTTACGAAG 1522
DB 611 GTGAAGCGGTATTTCTTACAGTCCCTGGTAAATTAAGGAGCTTCTTTACGAAG 552
Qy 1523 TTCAAGATTATCTAAGAGATTGAAAGTATACAGATATGCTTGAATGATCACTCA 1582
DB 551 TTCAAGATTATCTAAGAGATTGAAAGTATACAGATATGCTTGAATGATCACTCA 492
Qy 1583 CAGTTTCAGAGATGTGACATTTGGAAAAATGTTTCAATTAAGGAAACGTTATATCA 1642
DB 491 CGGTTTCAGAGATGTGACATTTGGAAAAATGTTTCAATTAAGGAAACGTTATATCA 432
Qy 1643 TTGAATCATGTGTACAGAAATTTGATATCCCACTGAGACATATTAAGAAACAAGATTG 1702

DB 431 TTGCAATCATGTGTACAGAAATTTGACATCCCCCAGAGACATGTTAGAAACAAGATTG 372
Qy 1703 TGTCTGAAACCTTCGATCTTGGACCACTGAATAATGAATACTGTGACACTT----- 1757
DB 371 TATCTGGAACTTCGATCTTGGACCACTGAATAATGAATACTGTGACACTTCTTAC 312
Qy 1758 AATATATGGGCTAGTTTCTTCAATGAATGTTCTTAGAATTTCAATAATAGCAGGTAC 1817
DB 311 TAATATGGGCTAAGATTTTCAATGAATGTTCTTAGAATTTCAATAATAGCAGGTAC 252
Qy 1818 TTTA-CTATGTACTGTACCTCGAGTGTGATTTTAAATATAGATTTTCTGAGATG 1876
DB 251 TTTATTTACTATGTGTACCTCGAGTGTGATTTTAAAGTA--GTTTCTGCAAGTAC 194
Qy 1877 CTTTATGCTTAAGAAAGCAAGATGAGCAATCTTCCCTTGAAGAAATCCCA 1936
DB 193 CTTTATGCTTAAGAAAGCAAGATGAGCAATCTTCCCTTGAAGAAAGCTTAC 134
Qy 1937 AAGTTAGTCTTAAAGTCAATATGTTTAACTTAAACCTGGCAACTTTGAGAGA 1996
DB 133 AATATAGTCTTAAAGTCAATATGTTTAACTTAAACCTGGCAACTTTGAGAGA 74
Qy 1997 ACTTTTAAAGAGCTTCAATGATGATCACTTGAATGCTTGTGATTTCAAAATPAA 2055
DB 73 TC-TTCAACAGAGCTTCAAGTCACTGCTTGAATGCTTGAATTTCAAAATPAA 16

RESULT 14

US-10-032-585-6645
; Sequence 6645, Application US/10032585
; Publication No. US20030180953A1

GENERAL INFORMATION:

APPLICANT: Terry, Roemer D.
APPLICANT: Bo, Jiang
APPLICANT: Charles, Boone
APPLICANT: Howard, Bussey
TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery
FILE REFERENCE: 10182-005-999
CURRENT APPLICATION NUMBER: US/10/032,585
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 8000
SOFTWARE: PatentIn version 3.1
SEQ ID NO 6645
LENGTH: 1419
TYPE: DNA
ORGANISM: Candida albicans
US-10-032-585-6645

Query Match 19.3%; Score 413.8; DB 13; Length 1419;
Best Local Similarity 60.4%; Pred. No. 5.9e-101;
Matches 751; Conservative 0; Mismatches 462; Indels 30; Gaps 3;

Qy 501 TGATATATATCTTCCGTGTGAACAACTAGTGTGTGAACCTCAATGCTGTTGG 560
DB 198 TGCAACACTCTCTAATATTATCTAATTTGCGAGTTTGAATTTGATGTTAGG 257
Qy 561 AACGACATGGGCTGCAAGGCTTAAAGTCTGATTTGTGTGGAATGAAATACCT 620
DB 258 TACTTCATGGAGTGTGTCTTAAATCAGTATGAAATTTGAGATGTTAACTTT 317
Qy 621 TCTGATCTGCTGTTGAGCAATTTGAACATTTGAATTAACCTTACATACAGATGTTCC 680
DB 318 CTTGATTTGGCTCTGCAACAAATTTGAACCTTAAACGAAAGTATGATGCCGATGTTCC 377
Qy 681 TCTTGTATTAATGAACTTTTAAACAGGATGAAGATACCAAAAAATACTACAGAAATA 740
DB 378 ATATATGTTATGAACCTTTTCAACAGTGTGACACCGAAAGATCATTAAGAAATA 437
Qy 741 CAATCATTTGCTGTGAATTTCACTTTCAATCAAGACAGTATCCGAGAGTTAATTA 800
DB 438 TCAAGCACAAGATCAAGATGAAACTTTTAACTTAACTCAGATTTCCCAAGAAATTTCA 497

Db 1103 CAGATGTAAAGGTGGTACACTTATCTTATGAAAGCAGAGTTCACTTCTAGAGATTG 1162
Qy 1130 CTCAGTSCCAAAAGCAGATGTAGACGAGTCAAGTCTGTATCAAGTTCAAAATATTTA 1189
Db 1163 CACAGGTTCCAGAGAGAGATGTGGCGAATTCAGGCCATTTGAAAGTTCAAAATCTTCA 1222
Qy 1190 ATACAAACACCTATGATTTCTCTTGAAGAGTTAAAGACTGCAGAGCAAAATGCCA 1249
Db 1223 ATACCAATATTTATGAGTGAATCTGAAGCGCATTAAGGCTTGTGAGAGCTGATGCTC 1282
Qy 1250 TTGACATGGAATCATTTGTGAATGCAAGACTTTGATGAGGCTGATATCATTCAT 1309
Db 1283 TTAATAATGAGATTAATCTTAATCCAAAGGAAGTGAATGGG--TAAAGGTCTTCAGC 1339
Qy 1310 TAGAAATGCAGTAGGGGCTGCATCAAAAGTTTGAAGATTTCTAGTATTAATGTGC 1369
Db 1340 TTGAAGCGGCTGCAGGTGCTGTATAGGTTTTTGTATGTCGCAATGTGTCAATGTTC 1399
Qy 1370 CAAGAGCCGTTTTCTGCTGTCAAAACCAATCAGATCTCTGCTGTGATGTCAAAC 1429
Db 1400 CAAGATCAAGGCTTCTCCAGTGAAGGCACTTCAGATTTACTACTTGTGAGTGGATC 1459
Qy 1430 TCTATAGTCTTAATGACAGATCTCTGACATGAGTGAAGGAGGAAATTTCTACAGTGC 1489
Db 1460 TTTACACTGTGAGGAAGTGTTCATCCGAATCTGCTAGAGTCAACCTACAAATC 1519
Qy 1490 CCTTGTTAAATTAGCAGATCTTTACGAAGGTTCAAGATTATCTAAGAGATTGAAA 1549
Db 1520 CCACCATGAGTGGGTCTGTGAATTCAGAGAGGTTGGCACTTTCTAAGGTTTCAAGT 1579
Qy 1550 GTATACAGATATGCTTGAATTTGATCACTCACAGTTTCAGAGATGTGACATTTGGA 1609
Db 1580 CCATACCTAGATCATTTGATCTGTATAGCTTAAGGTGTCAAGTGTGTGTTGGCA 1639
Qy 1610 AAAATGTTTCAATTAAGGGAACGTTATCATTCATTGCAATCATGTGTGACAGATTTGATA 1669
Db 1640 GTGAGTCACTCGAAGGGAAGTTATTAATTGAAGCAAGCAGGGGCTACACTTGAGA 1699
Qy 1670 TCCCACTGAGCAGTATTTAGAGAACAGATTGTG 1704
Db 1700 TACCTGATGAATCTGTGATGAAACAAAGTGTG 1734

Search completed: January 22, 2004, 23:13:12
Job time : 1462 secs

THIS PAGE BLANK (USPTO)